Name	OJ990827_04.9B24.C8.o2.gs	Method	GENSCAN
Start	8498	End	9060
GI	none	Score	.84
Exons	8498..8882, 9014..9060		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o2.ts	Method	TBLASTX:Soybean
Start	69	End	371
GI	none	Score	36
Exons	69..113, 131..199, 133..204, 203..361, 233..343, 279..371		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o3.tm	Method	TBLASTX:Maize
Start	72	End	558
GI	none	Score	67
Exons	72..110, 121..195, 227..382, 233..322, 279..383, 400..558, 414..512		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	78	End	488
GI	none	Score	53
Exons	78..110, 121..201, 200..361, 279..365, 388..453, 414..488		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	142	End	516
GI	none	Score	93
Exons	142..201, 227..382, 234..383, 391..516, 414..512		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	3957	End	4418
GI	none	Score	231
Exons	3957..4145, 3958..4203, 4227..4331, 4344..4418		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o2.tw	Method	TBLASTX:Wheat
Start	6658	End	7012
GI	none	Score	177
Exons	6658..6855, 6968..7012		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335

Name	OJ990827_04.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	10171	End	10389
GI	none	Score	286
Exons	10171..10224, 10172..10387, 10179..10388, 10282..10389		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	10179	End	10388
GI	none	Score	232
Exons	10179..10388, 10179..10343, 10181..10387		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o2.tc	Method	TBLASTX:Cress
Start	13048	End	13203
GI	none	Score	189
Exons	13048..13203, 13071..13169		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34711	Strand	-
Start	21883	End	22335
Name	OJ990827_04.9B24.C8.o1.gp	Method	AAT/GAP
Start	21883	End	22335
GI	LIB3432-059-P1-K1-D8	Score	738
Exons	21883..22335		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9
Gene No.	34712	Strand	+
Start	466	End	4198
Name	OJ990827_04.9B24.C9.o1.gs	Method	GENSCAN
Start	466	End	4198
GI	none	Score	.54
Exons	466..475, 769..856, 3207..3416, 3545..3780, 4179..4198		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9
Gene No.	34713	Strand	+
Start	12983	End	19384
Name	OJ990827_04.9B24.C9.o2.np	Method	AAT/NAP
Start	12522	End	19384
GI	6063557	Score	291
Exons	12522..12581, 15619..15808, 16057..16217, 19318..19384		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9
Gene No.	34713	Strand	+
Start	12983	End	19384
Name	OJ990827_04.9B24.C9.o3.gs	Method	GENSCAN
Start	12983	End	15793
GI	none	Score	.95
Exons	12983..13124, 13890..14038, 14375..14975, 15660..15793		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9

Gene No.	34714	Strand	-
Start	4754	End	15166
Name	OJ990827_04.9B24.C9.o2.gs	Method	GENSCAN
Start	4754	End	9985
GI	none	Score	.68
Exons	4754..4849, 8783..8855, 9191..9241, 9339..9985		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9
Gene No.	34714	Strand	-
Start	4754	End	15166
Name	OJ990827_04.9B24.C9.o1.np	Method	AAT/NAP
Start	9538	End	15166
GI	4455154	Score	112
Exons	9538..9872, 14965..15166		
GI Descrip.	(AL033545) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	16474	Seq. ID	OJ990827_04.9B24.C9
Gene No.	34715	Strand	-
Start	16738	End	19415
Name	OJ990827_04.9B24.C9.o4.gs	Method	GENSCAN
Start	16738	End	19415
GI	none	Score	.88
Exons	16738..16973, 17200..17227, 17487..17666, 19254..19415		

Seq. No.	16475	Seq. ID	OJ990827_04.9B24.C11
Gene No.	34716	Strand	-
Start	3790	End	3896
Name	OJ990827_04.9B24.C11.o1.gp	Method	AAT/GAP
Start	3790	End	3896
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	3790..3896		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16476	Seq. ID	OJ990827_04.9B24.C12
Gene No.	34717	Strand	+
Start	332	End	2416
Name	OJ990827_04.9B24.C12.o1.gs	Method	GENSCAN
Start	332	End	2342
GI	none	Score	.55
Exons	332..490, 844..991, 1187..1369, 1437..1810, 1819..2342		

Seq. No.	16476	Seq. ID	OJ990827_04.9B24.C12
Gene No.	34717	Strand	+
Start	332	End	2416
Name	OJ990827_04.9B24.C12.o1.np	Method	AAT/NAP
Start	1816	End	2416
GI	3645899	Score	193
Exons	1816..2416		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34718	Strand	+
Start	1	End	2507
Name	OJ990827_04.9B24.C15.o1.np	Method	AAT/NAP
Start	1	End	2504

GI	4680179	Score	4076
Exons	1..2504		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34718	Strand	+
Start	1	End	2507
Name	OJ990827_04.9B24.C15.o1.gs	Method	GENSCAN
Start	57	End	2507
GI	none	Score	.82
Exons	57..2507		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o6.tw	Method	TBLASTX:Wheat
Start	23	End	197
GI	none	Score	251
Exons	23..151, 27..197, 54..170		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o4.tm	Method	TBLASTX:Maize
Start	36	End	536
GI	none	Score	159
Exons	36..215, 201..536, 287..418		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o1.ts	Method	TBLASTX:Soybean
Start	90	End	486
GI	none	Score	57
Exons	90..122, 90..122, 126..485, 129..203, 133..486, 133..267, 242..484		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o4.tw	Method	TBLASTX:Wheat
Start	198	End	500
GI	none	Score	397
Exons	198..500, 236..499		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o2.tw	Method	TBLASTX:Wheat
Start	501	End	1010
GI	none	Score	643
Exons	501..1010, 533..919		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o3.ts	Method	TBLASTX:Soybean

Start	510	End	752
GI	none	Score	198
Exons	510..752, 542..637		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o2.tm	Method	TBLASTX:Maize
Start	573	End	926
GI	none	Score	477
Exons	573..926, 575..841, 615..911		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o3.tw	Method	TBLASTX:Wheat
Start	1014	End	1493
GI	none	Score	590
Exons	1014..1493, 1032..1487, 1109..1492		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o1.tc	Method	TBLASTX:Cress
Start	1191	End	1517
GI	none	Score	90
Exons	1191..1373, 1374..1517, 1439..1516		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o2.ts	Method	TBLASTX:Soybean
Start	1281	End	1541
GI	none	Score	299
Exons	1281..1541, 1286..1387, 1473..1541		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o3.tm	Method	TBLASTX:Maize
Start	1339	End	1631
GI	none	Score	390
Exons	1339..1530, 1341..1631, 1410..1625, 1442..1627, 1585..1629		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o1.tw	Method	TBLASTX:Wheat
Start	1500	End	2126
GI	none	Score	672
Exons	1500..2126, 1556..2125		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o1.tm	Method	TBLASTX:Maize
Start	1680	End	2267

GI	none	Score	226
Exons	1680..1841, 1686..1832, 1688..1834, 1839..1937, 1839..1907, 1841..1936, 1998..2267, 2006..2266		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o5.tw	Method	TBLASTX:Wheat
Start	2126	End	2459
GI	none	Score	365
Exons	2126..2263, 2127..2459		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o5.tm	Method	TBLASTX:Maize
Start	2268	End	2480
GI	none	Score	205
Exons	2268..2480		

Seq. No.	16477	Seq. ID	OJ990827_04.9B24.C15
Gene No.	34719	Strand	-
Start	2740	End	3072
Name	OJ990827_04.9B24.C15.o2.gs	Method	GENSCAN
Start	2740	End	3072
GI	none	Score	.65
Exons	2740..2909, 2928..3072		

Seq. No.	16478	Seq. ID	OJ990827_04.9B24.C16
Gene No.	34720	Strand	-
Start	1	End	473
Name	OJ990827_04.9B24.C16.o1.np	Method	AAT/NAP
Start	1	End	473
GI	3777527	Score	431
Exons	1..473		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	16478	Seq. ID	OJ990827_04.9B24.C16
Gene No.	34720	Strand	-
Start	1	End	473
Name	OJ990827_04.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	29	End	279
GI	none	Score	44
Exons	29..58, 30..62, 52..210, 98..148, 190..279, 196..279		

Seq. No.	16478	Seq. ID	OJ990827_04.9B24.C16
Gene No.	34720	Strand	-
Start	1	End	473
Name	OJ990827_04.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	52	End	270
GI	none	Score	73
Exons	52..270, 98..253		

Seq. No.	16478	Seq. ID	OJ990827_04.9B24.C16
Gene No.	34720	Strand	-
Start	1	End	473
Name	OJ990827_04.9B24.C16.o1.ts	Method	TBLASTX:Soybean

Start	52	End	408
GI	5509260	Score	157
Exons	52..336, 98..301, 358..408		
GI Descrip.	-		

Seq. No.	16479	Seq. ID	OJ990827_04.9B24.C17
Gene No.	34721	Strand	+
Start	46	End	255
Name	OJ990827_04.9B24.C17.o1.gs	Method	GENSCAN
Start	46	End	255
GI	none	Score	.89
Exons	46..255		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34722	Strand	+
Start	746	End	7025
Name	OJ991107_42.9C07.C1.o1.gs	Method	GENSCAN
Start	746	End	6785
GI	none	Score	.63
Exons	746..1075, 1088..1252, 1294..1583, 4585..4643, 5568..5691, 5869..6089, 6219..6328, 6489..6785		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34722	Strand	+
Start	746	End	7025
Name	OJ991107_42.9C07.C1.o1.gp	Method	AAT/GAP
Start	5731	End	7025
GI	73779_1.R1084	Score	1726
Exons	5731..6089, 6219..6328, 6489..6607, 6695..7025		
GI Descrip.	'5669654/gb|AAD46412.1|AF096262_1 5.0e-09 (AF096262) ER6 protein [Lycopersicon esculentum]'		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34722	Strand	+
Start	746	End	7025
Name	OJ991107_42.9C07.C1.o2.np	Method	AAT/NAP
Start	5915	End	6767
GI	6714413	Score	418
Exons	5915..6089, 6219..6328, 6489..6607, 6695..6767		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34723	Strand	-
Start	1	End	1753
Name	OJ991107_42.9C07.C1.o1.np	Method	AAT/NAP
Start	1	End	1753
GI	3176686	Score	62
Exons	1..37, 837..1087, 1542..1753		
GI Descrip.	(AC003671) Similar to high affinity potassium transporter, HAK1 protein gb|U22945 from Schwanniomyces occidentalis. [Arabidopsis thaliana]		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o2.tm	Method	TBLASTX:Maize
Start	5902	End	6093

GI	none	Score	287
Exons	5902..6087, 5903..6088, 5990..6088, 6003..6092, 6034..6093		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o2.tc	Method	TBLASTX:Cress
Start	5926	End	6764
GI	none	Score	171
Exons	5926..6087, 5927..6088, 6221..6340, 6477..6608, 6486..6611, 6692..6763, 6693..6764		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o2.ts	Method	TBLASTX:Soybean
Start	5927	End	6761
GI	none	Score	146
Exons	5927..6088, 5932..6087, 6221..6340, 6486..6611, 6693..6761		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o3.tm	Method	TBLASTX:Maize
Start	6221	End	6761
GI	none	Score	91
Exons	6221..6340, 6486..6611, 6684..6761		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o2.gp	Method	AAT/GAP
Start	7176	End	9270
GI	2047_1.R1084	Score	1559
Exons	7176..7576, 7778..7875, 8119..8232, 8302..8359, 8491..8580, 9128..9270		
GI Descrip.	'5733866/gb|AAD49754.1|AC007932_2 1.0e-118 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o2.gs	Method	GENSCAN
Start	7312	End	9219
GI	none	Score	.91
Exons	7312..7334, 7386..7576, 7778..7875, 8119..8232, 8302..8359, 8491..8580, 9128..9219		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o1.tm	Method	TBLASTX:Maize
Start	7358	End	9221
GI	none	Score	277
Exons	7358..7579, 7359..7583, 7360..7578, 7361..7582, 7372..7584,		

7780..7872, 7780..7875, 8118..8228, 8119..8232, 8282..8362, 8300..8362, 8334..8363, 8493..8582, 8493..8579, 9132..9221, 9133..9219, 9140..9220

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o1.ts	Method	TBLASTX:Soybean
Start	7372	End	8594
GI	none	Score	198
Exons	7372..7578, 7376..7579, 7772..7876, 7780..7875, 8119..8229, 8119..8232, 8121..8246, 8165..8233, 8282..8389, 8303..8362, 8491..8532, 8491..8532, 8538..8594, 8538..8579		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o3.np	Method	AAT/NAP
Start	7375	End	9594
GI	5733866	Score	656
Exons	7375..7576, 7778..7875, 8119..8232, 8302..8359, 8491..8580, 9128..9219, 9544..9594		
GI Descrip.	(AC007932) Contains similarity to gb|M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb|Z18033 and gb|Z34214 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16480	Seq. ID	OJ991107_42.9C07.C1
Gene No.	34724	Strand	-
Start	7176	End	9594
Name	OJ991107_42.9C07.C1.o1.tc	Method	TBLASTX:Cress
Start	7387	End	7839
GI	none	Score	100
Exons	7387..7524, 7390..7578, 7391..7579, 7780..7839		

Seq. No.	16481	Seq. ID	OJ991107_42.9C07.C2
Gene No.	34725	Strand	-
Start	1	End	1865
Name	OJ991107_42.9C07.C2.o1.np	Method	AAT/NAP
Start	1	End	1865
GI	6587805	Score	145
Exons	1..196, 387..532, 686..786, 1811..1865		
GI Descrip.	(AC010924) Strong similarity to gb|Y17914 ion channel protein from Arabidopsis thaliana and is a member of the PF|00914 transmembrane CNG channel family containing a PF|00027 cyclic nucleotide-binding domain.		

Seq. No.	16481	Seq. ID	OJ991107_42.9C07.C2
Gene No.	34725	Strand	-
Start	1	End	1865
Name	OJ991107_42.9C07.C2.o1.tm	Method	TBLASTX:Maize
Start	117	End	788
GI	none	Score	79
Exons	117..200, 117..197, 118..219, 118..198, 119..217, 354..536, 354..536, 686..772, 686..787, 693..788		

Seq. No.	16481	Seq. ID	OJ991107_42.9C07.C2

Gene No.	34725	Strand	-
Start	1	End	1865
Name	OJ991107_42.9C07.C2.o1.ts	Method	TBLASTX:Soybean
Start	117	End	967
GI	none	Score	61
Exons	117..218, 117..197, 118..219, 118..198, 369..533, 386..556, 386..535, 686..853, 687..830, 869..967, 870..950		

Seq. No.	16481	Seq. ID	OJ991107_42.9C07.C2
Gene No.	34725	Strand	-
Start	1	End	1865
Name	OJ991107_42.9C07.C2.o1.gs	Method	GENSCAN
Start	387	End	949
GI	none	Score	.79
Exons	387..497, 686..949		

Seq. No.	16482	Seq. ID	OJ991107_42.9C07.C3
Gene No.	34726	Strand	+
Start	212	End	681
Name	OJ991107_42.9C07.C3.o1.gs	Method	GENSCAN
Start	212	End	681
GI	none	Score	.59
Exons	212..265, 481..681		

Seq. No.	16482	Seq. ID	OJ991107_42.9C07.C3
Gene No.	34727	Strand	-
Start	1	End	5177
Name	OJ991107_42.9C07.C3.o1.np	Method	AAT/NAP
Start	1	End	5177
GI	6969231	Score	339
Exons	1..26, 542..812, 1941..2078, 2674..2772, 3131..3268, 5123..5177		
GI Descrip.	(AF079872) cyclic nucleotide-gated calmodulin-binding ion channel [Nicotiana tabacum]		

Seq. No.	16482	Seq. ID	OJ991107_42.9C07.C3
Gene No.	34727	Strand	-
Start	1	End	5177
Name	OJ991107_42.9C07.C3.o1.ts	Method	TBLASTX:Soybean
Start	555	End	761
GI	none	Score	80
Exons	555..668, 555..668, 556..669, 675..761, 676..759		

Seq. No.	16482	Seq. ID	OJ991107_42.9C07.C3
Gene No.	34727	Strand	-
Start	1	End	5177
Name	OJ991107_42.9C07.C3.o2.gs	Method	GENSCAN
Start	1047	End	4382
GI	none	Score	.57
Exons	1047..1100, 1941..2078, 2674..2772, 3131..3316, 3948..4382		

Seq. No.	16482	Seq. ID	OJ991107_42.9C07.C3
Gene No.	34727	Strand	-
Start	1	End	5177
Name	OJ991107_42.9C07.C3.o1.gp	Method	AAT/GAP
Start	4091	End	4904
GI	426494	Score	661
Exons	4091..4391, 4810..4904		

Seq. No.	16483	Seq. ID	OJ991107_42.9C07.C4
Gene No.	34728	Strand	+
Start	511	End	778
Name	OJ991107_42.9C07.C4.o1.np	Method	AAT/NAP
Start	511	End	778
GI	5733866	Score	99
Exons	511..778		
GI Descrip.	(AC007932) Contains similarity to gb|M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb|Z18033 and gb|Z34214 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16483	Seq. ID	OJ991107_42.9C07.C4
Gene No.	34728	Strand	+
Start	511	End	778
Name	OJ991107_42.9C07.C4.o1.gp	Method	AAT/GAP
Start	520	End	685
GI	62844_1.R1084	Score	311
Exons	520..685		
GI Descrip.	'5733866/gb|AAD49754.1|AC007932_2 1.0e-26 (AC007932) Contains similarity to gb_M73488 1-aminocyclopropane-1-carboxylate deaminase from Pseudomonas sp. ESTs gb_Z18033 and gb_Z34214 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16483	Seq. ID	OJ991107_42.9C07.C4
Gene No.	34729	Strand	-
Start	368	End	685
Name	OJ991107_42.9C07.C4.o1.gs	Method	GENSCAN
Start	368	End	685
GI	none	Score	.73
Exons	368..685		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34730	Strand	+
Start	3093	End	3752
Name	OJ991107_42.9C07.C5.o2.gs	Method	GENSCAN
Start	3093	End	3752
GI	none	Score	.58
Exons	3093..3102, 3497..3536, 3626..3752		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34731	Strand	+
Start	15733	End	26244
Name	OJ991107_42.9C07.C5.o3.np	Method	AAT/NAP
Start	15733	End	22536
GI	5731756	Score	2222
Exons	15733..16060, 17021..17262, 17354..17497, 17562..17723, 17802..17885, 18201..18275, 18356..18712, 18793..18912, 19041..19138, 19228..19276, 19366..19518, 19649..19792, 19869..19965, 20066..20298, 20522..20676, 21378..21447, 21574..21622, 21732..21971, 22106..22195, 22287..22536		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34731	Strand	+
Start	15733	End	26244

Name	OJ991107_42.9C07.C5.o4.gs	Method	GENSCAN
Start	15733	End	26244
GI	none	Score	.73
Exons	15733..16060, 17021..17262, 17354..17497, 17562..17723, 17802..17885, 17995..18014, 18077..18274, 18301..18712, 18793..18948, 19041..19138, 19416..19518, 19866..19965, 20075..20245, 21378..21447, 21672..21696, 21732..21966, 22098..22198, 22287..22466, 23055..23149, 23289..23361, 23460..23605, 25088..25249, 25697..25718, 25735..25793, 26163..26244		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34731	Strand	+
Start	15733	End	26244
Name	OJ991107_42.9C07.C5.o6.gp	Method	AAT/GAP
Start	23046	End	23329
GI	2310496	Score	483
Exons	23046..23329		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34732	Strand	+
Start	26506	End	31895
Name	OJ991107_42.9C07.C5.o4.np	Method	AAT/NAP
Start	26506	End	31895
GI	6714290	Score	321
Exons	26506..26528, 28625..28759, 29265..29367, 29597..29676, 29790..30119, 30334..30432, 30649..30717, 31735..31895		
GI Descrip.	(AC013354) F15H18.15 [Arabidopsis thaliana]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34732	Strand	+
Start	26506	End	31895
Name	OJ991107_42.9C07.C5.o6.gs	Method	GENSCAN
Start	28721	End	31198
GI	none	Score	.54
Exons	28721..28807, 29265..29367, 29597..29676, 30295..30407, 30490..30575, 31080..31198		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34733	Strand	+
Start	33339	End	41451
Name	OJ991107_42.9C07.C5.o8.gs	Method	GENSCAN
Start	33339	End	41451
GI	none	Score	.58
Exons	33339..33885, 34775..34929, 35142..35346, 35396..35477, 35990..36228, 36323..36491, 37234..37420, 37897..38007, 38878..39232, 39933..40155, 41298..41451		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34734	Strand	+
Start	47157	End	50293
Name	OJ991107_42.9C07.C5.o10.gs	Method	GENSCAN
Start	47157	End	50293
GI	none	Score	.58
Exons	47157..47185, 48298..48441, 49899..49976, 49988..50123, 50210..50293		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34735	Strand	+
Start	51346	End	51435
Name	OJ991107_42.9C07.C5.o8.gp	Method	AAT/GAP
Start	51346	End	51435
GI	2310359	Score	93
Exons	51346..51435		
GI Descrip.	5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34736	Strand	+
Start	56617	End	57277
Name	OJ991107_42.9C07.C5.o12.gs	Method	GENSCAN
Start	56617	End	57277
GI	none	Score	.56
Exons	56617..56663, 56739..56972, 57049..57277		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34737	Strand	+
Start	64083	End	65694
Name	OJ991107_42.9C07.C5.o6.np	Method	AAT/NAP
Start	63882	End	65694
GI	6907086	Score	1316
Exons	63882..64650, 64710..64945, 65182..65232, 65283..65497, 65549..65694		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34737	Strand	+
Start	64083	End	65694
Name	OJ991107_42.9C07.C5.o14.gs	Method	GENSCAN
Start	64083	End	64616
GI	none	Score	1
Exons	64083..64616		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34738	Strand	-
Start	1	End	1211
Name	OJ991107_42.9C07.C5.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	4097948	Score	1207
Exons	1..968, 1044..1116		
GI Descrip.	(U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34738	Strand	-
Start	1	End	1211
Name	OJ991107_42.9C07.C5.o1.gp	Method	AAT/GAP
Start	281	End	677
GI	65422_1.R1084	Score	714
Exons	281..677		
GI Descrip.	'4097948 1.0e-102 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34738	Strand	-

Start	1	End	1211
Name	OJ991107_42.9C07.C5.o1.gs	Method	GENSCAN
Start	286	End	1116
GI	none	Score	.99
Exons	286..1116		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34738	Strand	-
Start	1	End	1211
Name	OJ991107_42.9C07.C5.o2.gp	Method	AAT/GAP
Start	667	End	1211
GI	27257_1.R1084	Score	729
Exons	667..968, 1044..1211		
GI Descrip.	'4097948 2.0e-29 (U72255) beta-1,3-glucanase precursor [Oryza sativa]'		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34739	Strand	-
Start	6126	End	14779
Name	OJ991107_42.9C07.C5.o3.gs	Method	GENSCAN
Start	6126	End	14779
GI	none	Score	.6
Exons	6126..6182, 7468..7579, 7800..7837, 8023..8183, 8383..9351, 9398..9551, 9630..9798, 11352..11425, 11439..11542, 11955..12117, 12220..12456, 13874..13992, 14611..14779		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34739	Strand	-
Start	6126	End	14779
Name	OJ991107_42.9C07.C5.o2.np	Method	AAT/NAP
Start	6644	End	9815
GI	2702270	Score	1153
Exons	6644..6687, 7482..7581, 7871..7942, 8023..8249, 8383..9333, 9410..9551, 9630..9815		
GI Descrip.	(AC003033) unknown protein [Arabidopsis thaliana]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34739	Strand	-
Start	6126	End	14779
Name	OJ991107_42.9C07.C5.o4.gp	Method	AAT/GAP
Start	7906	End	9076
GI	11144_1.R1084	Score	1826
Exons	7906..7942, 8023..8260, 8383..9076		
GI Descrip.	'2702270 4.0e-91 (AC003033) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34739	Strand	-
Start	6126	End	14779
Name	OJ991107_42.9C07.C5.o5.gp	Method	AAT/GAP
Start	9848	End	11637
GI	2442798	Score	616
Exons	9848..9917, 10066..10207, 11352..11425, 11543..11637		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34740	Strand	-
Start	31547	End	32014

Name	OJ991107_42.9C07.C5.o7.gs	Method	GENSCAN
Start	31547	End	32014
GI	none	Score	.66
Exons	31547..32014		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34741	Strand	-
Start	42391	End	45511
Name	OJ991107_42.9C07.C5.o9.gs	Method	GENSCAN
Start	42391	End	45511
GI	none	Score	.86
Exons	42391..42526, 42863..43130, 43753..44139, 44300..44486, 44989..45161, 45340..45511		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34741	Strand	-
Start	42391	End	45511
Name	OJ991107_42.9C07.C5.o7.gp	Method	AAT/GAP
Start	42597	End	43004
GI	uC-osflcyp083f04a1	Score	762
Exons	42597..43004		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 2.0e-31 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34741	Strand	-
Start	42391	End	45511
Name	OJ991107_42.9C07.C5.o5.np	Method	AAT/NAP
Start	42862	End	43133
GI	4406782	Score	221
Exons	42862..43133		
GI Descrip.	(AC006532) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o2.tm	Method	TBLASTX:Maize
Start	281	End	971
GI	none	Score	301
Exons	281..493, 283..492, 493..969, 494..970, 915..971		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o1.tc	Method	TBLASTX:Cress
Start	283	End	967
GI	none	Score	58
Exons	283..582, 374..580, 667..966, 677..811, 914..967		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o1.ts	Method	TBLASTX:Soybean
Start	283	End	972
GI	none	Score	457
Exons	283..972, 287..970		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o1.tw	Method	TBLASTX:Wheat
Start	568	End	994
GI	none	Score	41
Exons	568..654, 569..649, 664..984, 671..871, 905..994		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o2.ts	Method	TBLASTX:Soybean
Start	8092	End	8822
GI	none	Score	257
Exons	8092..8244, 8379..8819, 8384..8818, 8619..8822		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o1.tm	Method	TBLASTX:Maize
Start	8149	End	9426
GI	none	Score	86
Exons	8149..8244, 8150..8308, 8241..8282, 8383..8586, 8384..9106, 8384..9328, 8388..9338, 8400..9329, 9397..9426		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o6.ts	Method	TBLASTX:Soybean
Start	8835	End	9029
GI	none	Score	163
Exons	8835..9029, 8837..9028		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o6.tm	Method	TBLASTX:Maize
Start	9427	End	9746
GI	none	Score	154
Exons	9427..9567, 9427..9537, 9429..9551, 9625..9705, 9629..9745, 9630..9746, 9630..9746		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o7.tm	Method	TBLASTX:Maize
Start	9777	End	10211
GI	none	Score	97
Exons	9777..9920, 9778..9918, 10054..10209, 10070..10210, 10074..10211		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o9.ts	Method	TBLASTX:Soybean
Start	17447	End	17770
GI	none	Score	76
Exons	17447..17497, 17447..17497, 17449..17499, 17557..17583,		

17595..17726, 17597..17770, 17598..17726

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o3.ts	Method	TBLASTX:Soybean
Start	18216	End	18678
GI	none	Score	66
Exons	18216..18293, 18398..18673, 18398..18664, 18553..18678		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o8.tm	Method	TBLASTX:Maize
Start	18222	End	18520
GI	none	Score	69
Exons	18222..18293, 18224..18274, 18321..18461, 18352..18492, 18353..18520, 18356..18520		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o4.tm	Method	TBLASTX:Maize
Start	18638	End	22540
GI	none	Score	83
Exons	18638..18709, 18640..18696, 18786..18947, 18787..18954, 19033..19128, 19034..19135, 19037..19129, 19041..19136, 19222..19284, 19222..19290, 19229..19291, 19354..19509, 19366..19518, 19368..19517, 19646..19792, 19646..19792, 19647..19793, 19648..19827, 19865..19954, 19866..19964, 19867..19968, 19867..19974, 20070..20108, 20074..20106, 20095..20250, 20106..20240, 20125..20241, 20461..20508, 20461..20508, 20462..20509, 20581..20676, 20584..20676, 20586..20687, 21376..21450, 21377..21448, 21570..21620, 21587..21622, 21596..21622, 21729..21857, 21729..21824, 21731..21856, 21795..21887, 21824..21967, 21831..21968, 21831..21968, 22095..22175, 22097..22165, 22097..22219, 22279..22416, 22280..22423, 22286..22468, 22287..22472, 22446..22538, 22505..22540		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o8.ts	Method	TBLASTX:Soybean
Start	18786	End	18954
GI	none	Score	214
Exons	18786..18947, 18787..18954		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o3.tc	Method	TBLASTX:Cress
Start	19483	End	20223
GI	none	Score	39
Exons	19483..19518, 19646..19792, 19648..19770, 19887..19937, 20137..20223, 20154..20222		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o7.ts	Method	TBLASTX:Soybean
Start	19666	End	22472
GI	none	Score	169
Exons	19666..19770, 19667..19780, 20086..20244, 20122..20241, 20154..20249, 20589..20687, 20603..20674, 21369..21428, 21371..21454, 21377..21442, 21425..21448, 21729..21860, 21731..21799, 21741..21968, 21810..21956, 21830..21967, 22094..22186, 22097..22168, 22266..22472, 22286..22468		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o2.tc	Method	TBLASTX:Cress
Start	22299	End	22472
GI	none	Score	192
Exons	22299..22472, 22301..22462		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o4.ts	Method	TBLASTX:Soybean
Start	35343	End	35933
GI	none	Score	144
Exons	35343..35480, 35646..35876, 35658..35849, 35669..35851, 35853..35933, 35853..35915		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o3.tm	Method	TBLASTX:Maize
Start	35757	End	37428
GI	none	Score	377
Exons	35757..35987, 35767..35985, 35956..36084, 36007..36120, 36010..36222, 36012..36236, 36013..36249, 36155..36229, 36293..36496, 36322..36492, 36323..36496, 36339..36509, 37061..37192, 37064..37180, 37163..37420, 37164..37421, 37189..37428		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o10.ts	Method	TBLASTX:Soybean
Start	37896	End	39153
GI	none	Score	88
Exons	37896..37985, 37897..37983, 38878..38964, 38890..38940, 38925..39152, 38944..39153		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o5.tm	Method	TBLASTX:Maize
Start	39087	End	40734
GI	none	Score	145
Exons	39087..39236, 39088..39225, 39937..40116, 39938..40156,		

39962..40156, 39963..40157, 40505..40729, 40506..40730, 40506..40730, 40507..40731, 40693..40734

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o5.ts	Method	TBLASTX:Soybean
Start	42856	End	43138
GI	none	Score	185
Exons	42856..43059, 42863..43060, 43034..43138, 43063..43113		

Seq. No.	16484	Seq. ID	OJ991107_42.9C07.C5
Gene No.	34742	Strand	-
Start	61907	End	62412
Name	OJ991107_42.9C07.C5.o9.gp	Method	AAT/GAP
Start	61907	End	62412
GI	38782_1.R1084	Score	797
Exons	61907..62412		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	16485	Seq. ID	OJ991107_42.9C07.C6
Gene No.	34743	Strand	+
Start	466	End	525
Name	OJ991107_42.9C07.C6.o1.gs	Method	GENSCAN
Start	466	End	525
GI	none	Score	.67
Exons	466..525		

Seq. No.	16486	Seq. ID	OJ991107_42.9C07.C7
Gene No.	34744	Strand	-
Start	497	End	634
Name	OJ991107_42.9C07.C7.o1.gs	Method	GENSCAN
Start	497	End	634
GI	none	Score	.63
Exons	497..634		

Seq. No.	16486	Seq. ID	OJ991107_42.9C07.C7
Gene No.	34744	Strand	-
Start	497	End	634
Name	OJ991107_42.9C07.C7.o1.np	Method	AAT/NAP
Start	498	End	598
GI	6006359	Score	57
Exons	498..598		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16487	Seq. ID	OJ991107_42.9C07.C8
Gene No.	34745	Strand	+
Start	1	End	1860
Name	OJ991107_42.9C07.C8.o1.np	Method	AAT/NAP
Start	1	End	1860
GI	3096947	Score	302
Exons	1..105, 158..235, 1141..1251, 1413..1681, 1801..1860		
GI Descrip.	(Y16327) putative cyclic nucleotide-regulated ion channel [Arabidopsis thaliana]		

Seq. No.	16487	Seq. ID	OJ991107_42.9C07.C8

Gene No.	34745	Strand	+
Start	1	End	1860
Name	OJ991107_42.9C07.C8.o1.tm	Method	TBLASTX:Maize
Start	135	End	1854
GI	none	Score	61
Exons	135..236, 137..235, 156..236, 157..237, 1116..1271, 1133..1282, 1139..1279, 1432..1680, 1434..1679, 1767..1790, 1767..1790, 1773..1853, 1774..1854		

Seq. No.	16487	Seq. ID	OJ991107_42.9C07.C8
Gene No.	34745	Strand	+
Start	1	End	1860
Name	OJ991107_42.9C07.C8.o1.ts	Method	TBLASTX:Soybean
Start	135	End	1584
GI	none	Score	135
Exons	135..236, 156..236, 157..237, 1133..1282, 1138..1266, 1139..1273, 1396..1584, 1437..1583		

Seq. No.	16488	Seq. ID	OJ991107_34.9C07.C1
Gene No.	34746	Strand	+
Start	1	End	357
Name	OJ991107_34.9C07.C1.o1.np	Method	AAT/NAP
Start	1	End	357
GI	4584355	Score	224
Exons	1..357		
GI Descrip.	(AC006420) Ac-like transposase [Arabidopsis thaliana]		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.np	Method	AAT/NAP
Start	1	End	2885
GI	3184283	Score	1523
Exons	1..256, 732..980, 1064..1249, 1350..1496, 1579..1695, 1798..1966, 2214..2291, 2391..2529, 2792..2885		
GI Descrip.	(AC004136) unknown protein [Arabidopsis thaliana]		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.tw	Method	TBLASTX:Wheat
Start	70	End	760
GI	none	Score	267
Exons	70..282, 71..286, 721..759, 731..760		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.gp	Method	AAT/GAP
Start	71	End	3305
GI	11560_1.R1084	Score	3333
Exons	71..256, 732..980, 1064..1249, 1350..1496, 1579..1695, 1798..1966, 2214..2291, 2391..2529, 2792..3305		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o3.ts	Method	TBLASTX:Soybean
Start	112	End	282
GI	none	Score	198
Exons	112..282, 113..271		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.gs	Method	GENSCAN
Start	116	End	5330
GI	none	Score	.67
Exons	116..256, 732..980, 1064..1249, 1350..1496, 1579..1695, 1798..1966, 2160..2291, 2391..2529, 2792..2873, 3381..3517, 3790..3903, 5117..5330		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.tm	Method	TBLASTX:Maize
Start	142	End	1872
GI	none	Score	189
Exons	142..282, 143..286, 718..981, 723..800, 731..982, 732..983, 1035..1184, 1055..1255, 1063..1251, 1338..1517, 1353..1496, 1406..1525, 1455..1517, 1467..1496, 1468..1518, 1576..1695, 1576..1647, 1578..1652, 1578..1703, 1578..1658, 1592..1702, 1790..1870, 1792..1872, 1797..1871		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o2.ts	Method	TBLASTX:Soybean
Start	871	End	1290
GI	none	Score	175
Exons	871..981, 872..982, 873..983, 880..1002, 1097..1255, 1102..1251, 1103..1252, 1153..1290		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.tc	Method	TBLASTX:Cress
Start	927	End	1496
GI	none	Score	93
Exons	927..983, 928..987, 929..982, 1086..1184, 1097..1255, 1102..1242, 1353..1496, 1355..1492		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o1.ts	Method	TBLASTX:Soybean
Start	1382	End	2890
GI	none	Score	140
Exons	1382..1516, 1383..1496, 1576..1695, 1578..1694, 1586..1702, 1595..1699, 1791..1961, 1791..1961, 1792..1974, 1814..1966,		

2206..2289, 2213..2296, 2213..2290, 2214..2291, 2384..2485, 2395..2535, 2419..2535, 2789..2890, 2790..2888

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o2.tc	Method	TBLASTX:Cress
Start	1855	End	2915
GI	none	Score	159
Exons	1855..1974, 1860..1958, 2102..2296, 2209..2289, 2384..2485, 2389..2484, 2417..2503, 2422..2502, 2790..2915		

Seq. No.	16489	Seq. ID	OJ991107_34.9C07.C3
Gene No.	34747	Strand	+
Start	1	End	5330
Name	OJ991107_34.9C07.C3.o2.tm	Method	TBLASTX:Maize
Start	1872	End	2900
GI	none	Score	166
Exons	1872..1964, 1873..1974, 1874..1966, 2206..2298, 2213..2296, 2384..2485, 2389..2484, 2390..2527, 2419..2529, 2789..2890, 2790..2894, 2799..2900		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34748	Strand	+
Start	101	End	1983
Name	OJ991107_34.9C07.C4.o1.gs	Method	GENSCAN
Start	101	End	1983
GI	none	Score	.71
Exons	101..143, 1406..1495, 1573..1706, 1771..1983		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34749	Strand	+
Start	4118	End	4264
Name	OJ991107_34.9C07.C4.o1.gp	Method	AAT/GAP
Start	4118	End	4264
GI	21474_1.R1084	Score	233
Exons	4118..4264		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34750	Strand	+
Start	9268	End	9360
Name	OJ991107_34.9C07.C4.o2.np	Method	AAT/NAP
Start	9268	End	9360
GI	6322900	Score	79
Exons	9268..9360		
GI Descrip.	Ykr047wp gi|549617|sp|P36140|YK27_YEAST HYPOTHETICAL 12.3 KD PROTEIN IN GAP1-NAP1 INTERGENIC REGION gi|539260|pir||S38121 hypothetical protein YKR047w - yeast (Saccharomyces cerevisiae) gi|486599|emb|CAA82123.1| (Z28272) ORF YKR047w [Saccharomyces cerevisiae]		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34751	Strand	+
Start	11169	End	11613
Name	OJ991107_34.9C07.C4.o3.gp	Method	AAT/GAP

Start	11169	End	11613
GI	LIB3431-028-P1-N1-A10	Score	794
Exons	11169..11239, 11267..11613		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34752	Strand	+
Start	15431	End	15966
Name	OJ991107_34.9C07.C4.o4.gs	Method	GENSCAN
Start	15431	End	15966
GI	none	Score	.94
Exons	15431..15469, 15814..15966		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34753	Strand	+
Start	17659	End	21061
Name	OJ991107_34.9C07.C4.o5.gs	Method	GENSCAN
Start	17659	End	21061
GI	none	Score	.49
Exons	17659..17804, 18559..18645, 20437..20483, 20751..21061		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34754	Strand	+
Start	23868	End	25046
Name	OJ991107_34.9C07.C4.o7.gp	Method	AAT/GAP
Start	23868	End	25046
GI	2427535	Score	679
Exons	23868..24160, 24936..25046		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34755	Strand	-
Start	2302	End	9868
Name	OJ991107_34.9C07.C4.o2.gs	Method	GENSCAN
Start	2302	End	9868
GI	none	Score	.52
Exons	2302..2411, 3340..3456, 4796..4958, 5038..5136, 5231..5303, 5388..5498, 5595..5768, 5878..6977, 7052..7812, 7981..8473, 9163..9236, 9418..9868		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34755	Strand	-
Start	2302	End	9868
Name	OJ991107_34.9C07.C4.o1.np	Method	AAT/NAP
Start	4791	End	8488
GI	4680204	Score	1043
Exons	4791..4928, 5279..5498, 5595..5768, 5878..6977, 7052..8488		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34755	Strand	-
Start	2302	End	9868
Name	OJ991107_34.9C07.C4.o4.np	Method	AAT/NAP
Start	6457	End	8488
GI	4680204	Score	945
Exons	6457..6977, 7052..8488		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34755	Strand	-
Start	2302	End	9868
Name	OJ991107_34.9C07.C4.o3.np	Method	AAT/NAP
Start	8005	End	9652
GI	3845248	Score	81
Exons	8005..8023, 9391..9652		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34756	Strand	-
Start	10469	End	15886
Name	OJ991107_34.9C07.C4.o4.gp	Method	AAT/GAP
Start	10469	End	14558
GI	342_1.R1084	Score	6577
Exons	10469..10815, 10925..11029, 11148..14558		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34756	Strand	-
Start	10469	End	15886
Name	OJ991107_34.9C07.C4.o5.gp	Method	AAT/GAP
Start	10470	End	14558
GI	342_1.R1084	Score	6575
Exons	10470..10815, 10925..11029, 11148..14558		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34756	Strand	-
Start	10469	End	15886
Name	OJ991107_34.9C07.C4.o3.gs	Method	GENSCAN
Start	11232	End	14562
GI	none	Score	.86
Exons	11232..11568, 11629..13120, 13219..13413, 13482..14562		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34756	Strand	-
Start	10469	End	15886
Name	OJ991107_34.9C07.C4.o5.np	Method	AAT/NAP
Start	11253	End	15886
GI	4680203	Score	3229
Exons	11253..12230, 12507..12737, 12891..14562, 15866..15886		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o6.tw	Method	TBLASTX:Wheat
Start	5429	End	5951
GI	none	Score	69
Exons	5429..5500, 5600..5782, 5607..5732, 5871..5951		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-

Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o5.tw	Method	TBLASTX:Wheat
Start	7442	End	7845
GI	none	Score	84
Exons	7442..7612, 7575..7742, 7607..7843, 7694..7837, 7735..7845		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o1.tw	Method	TBLASTX:Wheat
Start	11307	End	12624
GI	none	Score	126
Exons	11307..11399, 11388..11468, 11481..11621, 11482..11622, 11569..11664, 11601..11660, 11668..11706, 11671..11691, 11673..11693, 11721..12038, 11721..12623, 11722..12624		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o1.tc	Method	TBLASTX:Cress
Start	11889	End	12340
GI	none	Score	188
Exons	11889..12326, 11889..12332, 11893..12336, 11899..12336, 12158..12340		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o1.tm	Method	TBLASTX:Maize
Start	12267	End	12581
GI	none	Score	68
Exons	12267..12497, 12267..12581, 12295..12570		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o3.tw	Method	TBLASTX:Wheat
Start	12625	End	13035
GI	none	Score	81
Exons	12625..12711, 12627..12710, 12744..12962, 12784..12966, 12972..13034, 12985..13035		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o2.tw	Method	TBLASTX:Wheat
Start	13174	End	13641
GI	none	Score	43
Exons	13174..13245, 13174..13209, 13179..13244, 13211..13402, 13253..13381, 13382..13468, 13383..13469, 13483..13587, 13487..13576, 13588..13641, 13589..13633		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o2.tm	Method	TBLASTX:Maize
Start	13385	End	13770

GI	none	Score	111
Exons	13385..13468, 13462..13665, 13463..13642, 13681..13770		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o2.tc	Method	TBLASTX:Cress
Start	13462	End	13777
GI	none	Score	67
Exons	13462..13770, 13490..13585, 13625..13777		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o1.ts	Method	TBLASTX:Soybean
Start	13510	End	13939
GI	none	Score	121
Exons	13510..13806, 13528..13752, 13801..13863, 13856..13939, 13864..13938		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o4.tw	Method	TBLASTX:Wheat
Start	13860	End	14211
GI	none	Score	187
Exons	13860..14111, 13870..14121, 13871..14113, 14104..14211		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o6.gs	Method	GENSCAN
Start	21993	End	25613
GI	none	Score	.53
Exons	21993..22071, 22320..22450, 24210..24379, 25207..25230, 25595..25613		

Seq. No.	16490	Seq. ID	OJ991107_34.9C07.C4
Gene No.	34757	Strand	-
Start	21993	End	25665
Name	OJ991107_34.9C07.C4.o3.tm	Method	TBLASTX:Maize
Start	25112	End	25665
GI	none	Score	72
Exons	25112..25183, 25124..25219, 25183..25227, 25207..25278, 25220..25279, 25220..25279, 25464..25604, 25469..25618, 25472..25645, 25483..25647, 25594..25665, 25610..25657		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34758	Strand	+
Start	449	End	2102
Name	OJ991107_34.9C07.C6.o1.np	Method	AAT/NAP
Start	449	End	1795
GI	1174600	Score	1575
Exons	449..725, 1119..1795		
GI Descrip.	TUBULIN BETA CHAIN gi|493710|dbj|BAA06382| (D30717) beta-tubulin [Oryza sativa]		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34758	Strand	+
Start	449	End	2102
Name	OJ991107_34.9C07.C6.o1.gp	Method	AAT/GAP
Start	451	End	2102
GI	220_3.R1084	Score	2370
Exons	451..726, 1120..2102		
GI Descrip.	'1174600/sp|P46265|TBB3_ORYSA 0.0e+00 TUBULIN BETA CHAIN >gi_493710_dbj_BAA06382_ (D30717) beta-tubulin [Oryza sativa]'		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34758	Strand	+
Start	449	End	2102
Name	OJ991107_34.9C07.C6.o1.gs	Method	GENSCAN
Start	457	End	1798
GI	none	Score	.7
Exons	457..729, 1120..1393, 1399..1798		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o1.tc	Method	TBLASTX:Cress
Start	433	End	1731
GI	none	Score	370
Exons	433..507, 456..734, 456..716, 512..724, 1121..1411, 1122..1415, 1412..1711, 1414..1731		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.tw	Method	TBLASTX:Wheat
Start	454	End	743
GI	none	Score	390
Exons	454..723, 456..725, 456..743		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o1.tm	Method	TBLASTX:Maize
Start	456	End	1731
GI	none	Score	383
Exons	456..734, 456..713, 515..724, 1089..1406, 1121..1411, 1122..1415, 1412..1711, 1414..1731, 1690..1731		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o1.ts	Method	TBLASTX:Soybean
Start	600	End	1731
GI	none	Score	199
Exons	600..734, 607..717, 1089..1406, 1121..1414, 1122..1415, 1412..1711, 1414..1731, 1690..1731		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o1.tw	Method	TBLASTX:Wheat

Start	1145	End	1415
GI	none	Score	468
Exons	1145..1411, 1146..1415		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o3.tw	Method	TBLASTX:Wheat
Start	1525	End	1731
GI	none	Score	311
Exons	1525..1731, 1526..1711, 1690..1731		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.gs	Method	GENSCAN
Start	2693	End	8241
GI	none	Score	.88
Exons	2693..2856, 3227..3347, 3919..4049, 4537..5475, 5639..5807, 6029..6199, 6276..6344, 6422..6529, 7171..7324, 7986..8065, 8149..8241		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o3.gp	Method	AAT/GAP
Start	2933	End	4643
GI	5002727	Score	1341
Exons	2933..3347, 3919..4106, 4537..4643		
GI Descrip.	1613900 4.0e-13 (U73168) partial CDS, human putative tumor suppressor (U23946) [Homo sapiens]		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.tc	Method	TBLASTX:Cress
Start	3136	End	4050
GI	none	Score	74
Exons	3136..3261, 3168..3266, 3238..3348, 3258..3347, 3919..4047, 3922..4050		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.tm	Method	TBLASTX:Maize
Start	3157	End	4903
GI	none	Score	119
Exons	3157..3219, 3165..3266, 3169..3252, 3238..3348, 3251..3346, 3255..3356, 3258..3347, 3259..3351, 3914..4090, 3919..4092, 3919..4092, 4561..4725, 4564..4716, 4575..4727, 4575..4721, 4589..4750, 4725..4901, 4725..4772, 4727..4903, 4738..4902		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.np	Method	AAT/NAP
Start	3159	End	8368

GI	6822069	Score	1443
Exons	3159..3347, 3919..4098, 4523..4743, 4837..4903, 4937..5807, 6029..6199, 6276..6344, 6422..6513, 6590..6674, 7171..7321, 7986..8065, 8149..8241, 8329..8368		
GI Descrip.	(AL132957) putative protein [Arabidopsis thaliana]		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o4.gp	Method	AAT/GAP
Start	4674	End	4961
GI	2798506	Score	317
Exons	4674..4961		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o5.tm	Method	TBLASTX:Maize
Start	5060	End	5419
GI	none	Score	92
Exons	5060..5185, 5061..5186, 5076..5213, 5184..5342, 5184..5237, 5248..5343, 5260..5340, 5273..5401, 5318..5419, 5332..5415, 5337..5417		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o2.ts	Method	TBLASTX:Soybean
Start	5129	End	8229
GI	none	Score	80
Exons	5129..5188, 5130..5333, 5130..5234, 5282..5356, 5306..5479, 5382..5477, 5441..5479, 5631..5723, 5631..5714, 5631..5738, 5636..5785, 5638..5724, 5652..5714, 5742..5810, 5760..5831, 6037..6096, 6083..6199, 6084..6200, 6090..6200, 6285..6350, 6295..6345, 6422..6514, 6422..6517, 6433..6531, 8164..8229		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o5.gp	Method	AAT/GAP
Start	5374	End	6208
GI	2443170	Score	813
Exons	5374..5475, 5639..5807, 6029..6208		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o3.tm	Method	TBLASTX:Maize
Start	5420	End	8217
GI	none	Score	119
Exons	5420..5479, 5631..5756, 5631..5756, 5634..5717, 5638..5718, 5652..5714, 5731..5808, 5736..5819, 5736..5810, 6029..6223, 6029..6199, 6030..6218, 6249..6344, 6266..6346, 8128..8217		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368

Name	OJ991107_34.9C07.C6.o4.tm	Method	TBLASTX:Maize
Start	6421	End	8067
GI	none	Score	129
Exons	6421..6516, 6422..6514, 6581..6676, 6588..6674, 6589..6702, 7171..7323, 7172..7318, 7173..7322, 7173..7352, 7986..8066, 7987..8067, 7988..8065		

Seq. No.	16491	Seq. ID	OJ991107_34.9C07.C6
Gene No.	34759	Strand	-
Start	2693	End	8368
Name	OJ991107_34.9C07.C6.o6.gp	Method	AAT/GAP
Start	7165	End	8368
GI	5002726	Score	668
Exons	7165..7324, 7986..8065, 8149..8241, 8329..8368		
GI Descrip.	1469167/dbj|BAA09471| 4.0e-12 (D50912) The KIAA0122 gene product is novel. [Homo sapiens]		

Seq. No.	16492	Seq. ID	OJ991107_34.9C07.C7
Gene No.	34760	Strand	-
Start	1	End	630
Name	OJ991107_34.9C07.C7.o1.np	Method	AAT/NAP
Start	1	End	630
GI	2498930	Score	703
Exons	1..399, 567..630		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16492	Seq. ID	OJ991107_34.9C07.C7
Gene No.	34760	Strand	-
Start	1	End	630
Name	OJ991107_34.9C07.C7.o1.gs	Method	GENSCAN
Start	98	End	626
GI	none	Score	.54
Exons	98..399, 567..626		

Seq. No.	16493	Seq. ID	OJ991107_34.9C07.C8
Gene No.	34761	Strand	-
Start	1	End	364
Name	OJ991107_34.9C07.C8.o1.np	Method	AAT/NAP
Start	1	End	364
GI	6561983	Score	94
Exons	1..150, 237..364		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16494	Seq. ID	OJ991107_32.9C13.C1
Gene No.	34762	Strand	+
Start	1	End	1102
Name	OJ991107_32.9C13.C1.o1.np	Method	AAT/NAP
Start	1	End	1102
GI	2498930	Score	754
Exons	1..43, 457..525, 693..1102		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16494	Seq. ID	OJ991107_32.9C13.C1
Gene No.	34762	Strand	+
Start	1	End	1102

Name	OJ991107_32.9C13.C1.o1.gs	Method	GENSCAN
Start	466	End	1087
GI	none	Score	1
Exons	466..525, 693..1087		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34763	Strand	+
Start	1030	End	2037
Name	OJ991107_32.9C13.C2.o1.gs	Method	GENSCAN
Start	1030	End	2037
GI	none	Score	.97
Exons	1030..1076, 1812..2037		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34764	Strand	+
Start	16872	End	17123
Name	OJ991107_32.9C13.C2.o7.gs	Method	GENSCAN
Start	16872	End	17123
GI	none	Score	.88
Exons	16872..17123		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34765	Strand	+
Start	25642	End	25928
Name	OJ991107_32.9C13.C2.o10.gs	Method	GENSCAN
Start	25642	End	25928
GI	none	Score	.89
Exons	25642..25735, 25777..25928		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34766	Strand	+
Start	30089	End	31006
Name	OJ991107_32.9C13.C2.o12.gs	Method	GENSCAN
Start	30089	End	31006
GI	none	Score	.87
Exons	30089..31006		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34766	Strand	+
Start	30089	End	31006
Name	OJ991107_32.9C13.C2.o4.np	Method	AAT/NAP
Start	30089	End	30989
GI	2245139	Score	806
Exons	30089..30989		
GI Descrip.	(Z97344) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34767	Strand	+
Start	38844	End	39059
Name	OJ991107_32.9C13.C2.o14.gs	Method	GENSCAN
Start	38844	End	39059
GI	none	Score	.99
Exons	38844..39059		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34768	Strand	+
Start	39192	End	39464

Name	OJ991107_32.9C13.C2.o15.gs	Method	GENSCAN
Start	39192	End	39464
GI	none	Score	.93
Exons	39192..39464		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34769	Strand	-
Start	2622	End	4532
Name	OJ991107_32.9C13.C2.o2.gs	Method	GENSCAN
Start	2622	End	4532
GI	none	Score	.96
Exons	2622..4532		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34769	Strand	-
Start	2622	End	4532
Name	OJ991107_32.9C13.C2.o1.np	Method	AAT/NAP
Start	2625	End	3968
GI	3461846	Score	1060
Exons	2625..3968		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34770	Strand	-
Start	5851	End	6128
Name	OJ991107_32.9C13.C2.o3.gs	Method	GENSCAN
Start	5851	End	6128
GI	none	Score	.8
Exons	5851..5910, 6054..6128		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34771	Strand	-
Start	7723	End	9469
Name	OJ991107_32.9C13.C2.o4.gs	Method	GENSCAN
Start	7723	End	9469
GI	none	Score	.75
Exons	7723..7742, 8085..8826, 9116..9469		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34772	Strand	-
Start	9587	End	12764
Name	OJ991107_32.9C13.C2.o5.gs	Method	GENSCAN
Start	9587	End	12764
GI	none	Score	.85
Exons	9587..10056, 11514..11867, 12584..12764		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34772	Strand	-
Start	9587	End	12764
Name	OJ991107_32.9C13.C2.o2.np	Method	AAT/NAP
Start	9590	End	10359
GI	6967112	Score	339
Exons	9590..10052, 10139..10359		
GI Descrip.	(AL138652) putative protein [Arabidopsis thaliana]		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2

Gene No.	34773	Strand	-
Start	17411	End	17592
Name	OJ991107_32.9C13.C2.o3.np	Method	AAT/NAP
Start	17411	End	17592
GI	6498436	Score	53
Exons	17411..17592		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34774	Strand	-
Start	22017	End	23206
Name	OJ991107_32.9C13.C2.o9.gs	Method	GENSCAN
Start	22017	End	23206
GI	none	Score	.78
Exons	22017..22032, 22095..22164, 22831..23206		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34775	Strand	-
Start	26926	End	29316
Name	OJ991107_32.9C13.C2.o11.gs	Method	GENSCAN
Start	26926	End	29316
GI	none	Score	.4
Exons	26926..26955, 27030..27161, 27167..27277, 27810..27973, 29274..29316		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o2.tw	Method	TBLASTX:Wheat
Start	2503	End	2877
GI	none	Score	67
Exons	2503..2532, 2619..2759, 2625..2720, 2626..2727, 2727..2876, 2728..2877		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o3.tc	Method	TBLASTX:Cress
Start	2610	End	2819
GI	none	Score	78
Exons	2610..2726, 2628..2819, 2629..2817		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o1.ts	Method	TBLASTX:Soybean
Start	2617	End	3308
GI	none	Score	358
Exons	2617..3138, 2628..3140, 2937..3170, 3168..3305, 3189..3308, 3196..3306		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	2628	End	3537
GI	none	Score	252

Exons 2628..3140, 2629..2883, 2710..3162, 2781..3161, 3089..3163, 3162..3506, 3189..3536, 3196..3537

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o1.tc	Method	TBLASTX:Cress
Start	2820	End	3600
GI	none	Score	76

Exons 2820..3140, 2821..2883, 2980..3138, 3189..3359, 3196..3240, 3265..3372, 3363..3599, 3487..3600

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o4.ts	Method	TBLASTX:Soybean
Start	3318	End	3755
GI	none	Score	247

Exons 3318..3755

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o6.tm	Method	TBLASTX:Maize
Start	3538	End	3773
GI	none	Score	155

Exons 3538..3765, 3543..3770, 3547..3738, 3561..3773

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o2.tm	Method	TBLASTX:Maize
Start	8161	End	9700
GI	none	Score	258

Exons 8161..8226, 9175..9453, 9176..9469, 9180..9455, 9593..9700, 9593..9697

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o2.ts	Method	TBLASTX:Soybean
Start	9779	End	10082
GI	none	Score	87

Exons 9779..9958, 9780..9953, 9953..10081, 9954..10082

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o3.tm	Method	TBLASTX:Maize
Start	9843	End	10063
GI	none	Score	244

Exons 9843..10058, 9845..10063, 9845..10057

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o7.tm	Method	TBLASTX:Maize

Start	10138	End	10288
GI	none	Score	162
Exons	10138..10185, 10178..10288, 10183..10287		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o1.tw	Method	TBLASTX:Wheat
Start	30358	End	30670
GI	none	Score	60
Exons	30358..30411, 30358..30492, 30386..30562, 30386..30562, 30559..30648, 30560..30670		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o2.tc	Method	TBLASTX:Cress
Start	30358	End	30604
GI	none	Score	67
Exons	30358..30426, 30358..30492, 30386..30571, 30559..30603, 30560..30604		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o4.tm	Method	TBLASTX:Maize
Start	30386	End	30670
GI	none	Score	198
Exons	30386..30568, 30392..30559, 30554..30670, 30565..30666		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o3.ts	Method	TBLASTX:Soybean
Start	30530	End	30925
GI	4395850	Score	44
Exons	30530..30571, 30553..30666, 30554..30775, 30890..30925		
GI Descrip.	-		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o13.gs	Method	GENSCAN
Start	33683	End	37544
GI	none	Score	.58
Exons	33683..34060, 34356..34516, 34634..34784, 35004..35168, 35583..35667, 35745..36007, 36190..36444, 36743..36874, 37050..37544		

Seq. No.	16495	Seq. ID	OJ991107_32.9C13.C2
Gene No.	34776	Strand	-
Start	33683	End	37544
Name	OJ991107_32.9C13.C2.o5.tm	Method	TBLASTX:Maize
Start	34211	End	34773
GI	none	Score	49
Exons	34211..34276, 34211..34270, 34218..34277, 34344..34400, 34348..34401, 34372..34491, 34395..34508, 34458..34505,		

34596..34718, 34606..34773

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34777	Strand	+
Start	1	End	7124
Name	OJ991107_32.9C13.C3.o1.np	Method	AAT/NAP
Start	1	End	3755
GI	4582447	Score	1453
Exons	1..2642, 2679..3120, 3686..3755		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34777	Strand	+
Start	1	End	7124
Name	OJ991107_32.9C13.C3.o1.gs	Method	GENSCAN
Start	46	End	7124
GI	none	Score	.57
Exons	46..1052, 1236..1386, 1657..2087, 2604..2682, 2859..2977, 3508..3699, 3719..4223, 4981..5033, 5712..5762, 6561..6722, 6822..7124		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34777	Strand	+
Start	1	End	7124
Name	OJ991107_32.9C13.C3.o1.gp	Method	AAT/GAP
Start	3617	End	4006
GI	4880249	Score	643
Exons	3617..4006		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34777	Strand	+
Start	1	End	7124
Name	OJ991107_32.9C13.C3.o2.np	Method	AAT/NAP
Start	3751	End	7055
GI	2598227	Score	452
Exons	3751..4223, 4981..5033, 5648..5779, 6561..6722, 6822..7055		
GI Descrip.	(AJ222585) AT-hook protein 1 [Arabidopsis thaliana]		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o1.ts	Method	TBLASTX:Soybean
Start	3	End	404
GI	none	Score	106
Exons	3..122, 105..404		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o1.tm	Method	TBLASTX:Maize
Start	579	End	1415
GI	none	Score	105
Exons	579..722, 726..1049, 1071..1193, 1293..1415		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-

Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o1.tw	Method	TBLASTX:Wheat
Start	623	End	1004
GI	none	Score	225
Exons	623..841, 624..842, 661..843, 837..1004, 840..995, 863..1003		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o3.tw	Method	TBLASTX:Wheat
Start	1171	End	1558
GI	none	Score	53
Exons	1171..1386, 1175..1402, 1176..1436, 1412..1558, 1414..1539		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o4.tw	Method	TBLASTX:Wheat
Start	1563	End	1781
GI	none	Score	241
Exons	1563..1781, 1565..1780		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o2.tw	Method	TBLASTX:Wheat
Start	2145	End	2537
GI	none	Score	329
Exons	2145..2537, 2177..2509		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o3.tm	Method	TBLASTX:Maize
Start	5627	End	5781
GI	none	Score	192
Exons	5627..5779, 5647..5781, 5647..5772		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o1.tc	Method	TBLASTX:Cress
Start	5645	End	6899
GI	none	Score	107
Exons	5645..5758, 5647..5745, 6558..6725, 6560..6724, 6798..6899, 6818..6856		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o2.ts	Method	TBLASTX:Soybean
Start	5681	End	6752
GI	none	Score	100
Exons	5681..5779, 5683..5778, 5695..5781, 6558..6752, 6560..6724		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-

Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o2.tm	Method	TBLASTX:Maize
Start	6561	End	7042
GI	none	Score	256
Exons	6561..6725, 6566..6724, 6567..6725, 6798..6905, 6818..6868, 6941..7042		

Seq. No.	16496	Seq. ID	OJ991107_32.9C13.C3
Gene No.	34778	Strand	-
Start	7136	End	7499
Name	OJ991107_32.9C13.C3.o2.gp	Method	AAT/GAP
Start	7136	End	7499
GI	46921_1.R1084	Score	701
Exons	7136..7499		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34779	Strand	+
Start	4221	End	4764
Name	OJ991107_32.9C13.C4.o3.gs	Method	GENSCAN
Start	4221	End	4764
GI	none	Score	.66
Exons	4221..4272, 4688..4764		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34780	Strand	+
Start	18878	End	22465
Name	OJ991107_32.9C13.C4.o7.gs	Method	GENSCAN
Start	18878	End	22465
GI	none	Score	.76
Exons	18878..19451, 19657..21832, 21891..22011, 22352..22465		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34781	Strand	-
Start	388	End	854
Name	OJ991107_32.9C13.C4.o1.gs	Method	GENSCAN
Start	388	End	756
GI	none	Score	.96
Exons	388..756		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34781	Strand	-
Start	388	End	854
Name	OJ991107_32.9C13.C4.o1.np	Method	AAT/NAP
Start	456	End	756
GI	1592681	Score	168
Exons	456..756		
GI Descrip.	(X91917) LEA D113 homologue type2 [Arabidopsis thaliana] gi|3668076|gb|AAC61808.1| (AC004667) similar to late embryogenesis abundant proteins [Arabidopsis thaliana]		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34781	Strand	-
Start	388	End	854

Name	OJ991107_32.9C13.C4.o1.gp	Method	AAT/GAP
Start	531	End	854
GI	1632139	Score	604
Exons	531..854		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34782	Strand	-
Start	2296	End	3561
Name	OJ991107_32.9C13.C4.o2.gs	Method	GENSCAN
Start	2296	End	3561
GI	none	Score	.74
Exons	2296..3561		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34783	Strand	-
Start	6002	End	9942
Name	OJ991107_32.9C13.C4.o4.gs	Method	GENSCAN
Start	6002	End	9942
GI	none	Score	.8
Exons	6002..6210, 7151..7340, 7419..7585, 7684..7820, 8494..8593, 8867..8983, 9588..9768, 9862..9942		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34783	Strand	-
Start	6002	End	9942
Name	OJ991107_32.9C13.C4.o2.gp	Method	AAT/GAP
Start	6833	End	7461
GI	5771053	Score	1046
Exons	6833..7340, 7419..7461		
GI Descrip.	3834314 2.0e-37 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34783	Strand	-
Start	6002	End	9942
Name	OJ991107_32.9C13.C4.o2.np	Method	AAT/NAP
Start	7054	End	9648
GI	3834314	Score	1288
Exons	7054..7340, 7419..7585, 7678..7820, 7966..8113, 8214..8319, 8400..8593, 8867..8983, 9588..9648		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34783	Strand	-
Start	6002	End	9942
Name	OJ991107_32.9C13.C4.o3.gp	Method	AAT/GAP
Start	8444	End	9759
GI	2310574	Score	754
Exons	8444..8593, 8867..8983, 9588..9759		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34784	Strand	-
Start	11347	End	14870
Name	OJ991107_32.9C13.C4.o4.gp	Method	AAT/GAP
Start	11224	End	14580
GI	uC-osroM202023h12b1	Score	972
Exons	11224..11612, 14460..14580		
GI Descrip.	'3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34784	Strand	-
Start	11347	End	14870
Name	OJ991107_32.9C13.C4.o5.gs	Method	GENSCAN
Start	11347	End	14870
GI	none	Score	.57
Exons	11347..11516, 12872..12923, 13439..13552, 14460..14486, 14700..14870		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o3.tm	Method	TBLASTX:Maize
Start	466	End	766
GI	none	Score	49
Exons	466..765, 512..544, 629..766		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o3.tc	Method	TBLASTX:Cress
Start	3340	End	3547
GI	none	Score	86
Exons	3340..3435, 3446..3547, 3448..3546		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o3.ts	Method	TBLASTX:Soybean
Start	3346	End	3555
GI	none	Score	120
Exons	3346..3390, 3391..3555, 3407..3547		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o1.tw	Method	TBLASTX:Wheat
Start	3346	End	3550
GI	none	Score	105
Exons	3346..3447, 3445..3549, 3446..3550		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o2.tm	Method	TBLASTX:Maize
Start	6972	End	7209

GI	none	Score	175
Exons	6972..7208, 7018..7152, 7023..7208, 7045..7209		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o2.tc	Method	TBLASTX:Cress
Start	7068	End	7328
GI	none	Score	205
Exons	7068..7328, 7087..7326, 7224..7328		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o2.ts	Method	TBLASTX:Soybean
Start	7114	End	7494
GI	none	Score	111
Exons	7114..7266, 7116..7265, 7266..7325, 7267..7320, 7267..7332, 7268..7321, 7320..7343, 7321..7341, 7413..7487, 7417..7494, 7417..7485, 7419..7493		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o1.tm	Method	TBLASTX:Maize
Start	7446	End	8084
GI	none	Score	130
Exons	7446..7556, 7446..7586, 7447..7587, 7447..7587, 7676..7843, 7683..7823, 7944..8084, 7944..8084		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o1.ts	Method	TBLASTX:Soybean
Start	7554	End	8450
GI	none	Score	75
Exons	7554..7586, 7676..7822, 7740..7826, 7965..8114, 7978..8115, 8198..8317, 8208..8321, 8209..8322, 8209..8322, 8385..8450		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o1.tc	Method	TBLASTX:Cress
Start	8212	End	9005
GI	none	Score	81
Exons	8212..8322, 8213..8317, 8381..8593, 8385..8597, 8398..8583, 8398..8601, 8415..8594, 8863..8985, 8865..9005, 8865..8987		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o4.tm	Method	TBLASTX:Maize
Start	11348	End	11604
GI	none	Score	63
Exons	11348..11434, 11352..11444, 11353..11448, 11354..11446, 11464..11601, 11465..11593, 11481..11600, 11503..11604		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o3.np	Method	AAT/NAP
Start	14782	End	22709
GI	1076802	Score	511
Exons	14782..14804, 15625..17466, 21435..21571, 22672..22709		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	16497	Seq. ID	OJ991107_32.9C13.C4
Gene No.	34785	Strand	-
Start	14782	End	22709
Name	OJ991107_32.9C13.C4.o6.gs	Method	GENSCAN
Start	15589	End	17721
GI	none	Score	.54
Exons	15589..17721		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34786	Strand	+
Start	8345	End	9377
Name	OJ991107_32.9C13.C5.o2.gs	Method	GENSCAN
Start	8345	End	9377
GI	none	Score	.46
Exons	8345..9068, 9307..9377		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34787	Strand	+
Start	11774	End	19901
Name	OJ991107_32.9C13.C5.o3.gs	Method	GENSCAN
Start	11774	End	19901
GI	none	Score	.69
Exons	11774..12350, 12791..12874, 12905..13228, 13319..13522, 14255..14323, 16141..16221, 16302..17153, 17251..17317, 18345..18535, 18814..19901		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34788	Strand	+
Start	20127	End	20470
Name	OJ991107_32.9C13.C5.o2.gp	Method	AAT/GAP
Start	20127	End	20470
GI	86158_1.R1084	Score	388
Exons	20127..20282, 20339..20470		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34789	Strand	+
Start	20855	End	21309
Name	OJ991107_32.9C13.C5.o3.gp	Method	AAT/GAP
Start	20855	End	21309
GI	36280_1.R1084	Score	850
Exons	20855..21309		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777)		

[Oryza sativa]'

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34790	Strand	+
Start	23003	End	23437
Name	OJ991107_32.9C13.C5.o5.gp	Method	AAT/GAP
Start	23003	End	23437
GI	uC-osf1M2020118f01a1	Score	780
Exons	23003..23437		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34791	Strand	-
Start	488	End	2195
Name	OJ991107_32.9C13.C5.o1.gp	Method	AAT/GAP
Start	457	End	809
GI	2800006	Score	586
Exons	457..809		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34791	Strand	-
Start	488	End	2195
Name	OJ991107_32.9C13.C5.o1.gs	Method	GENSCAN
Start	488	End	2195
GI	none	Score	.45
Exons	488..555, 891..999, 2058..2195		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o6.tm	Method	TBLASTX:Maize
Start	702	End	2209
GI	none	Score	119
Exons	702..746, 706..792, 707..793, 708..794, 736..804, 877..942, 881..943, 888..947, 890..946, 1033..1134, 1034..1135, 2058..2195, 2059..2184, 2060..2209, 2068..2208		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o2.np	Method	AAT/NAP
Start	20481	End	25285
GI	5295971	Score	8056
Exons	20481..25285		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.ts	Method	TBLASTX:Soybean
Start	20505	End	21155
GI	none	Score	51

Exons	20505..20738, 20638..20724, 20793..20963, 20821..20979, 20994..21155		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o1.tc	Method	TBLASTX:Cress
Start	20514	End	21176
GI	none	Score	101
Exons	20514..20732, 20518..20724, 20799..20879, 20803..20880, 20889..21176, 20890..20979, 21004..21090		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.tm	Method	TBLASTX:Maize
Start	20515	End	20904
GI	none	Score	351
Exons	20515..20901, 20517..20822, 20517..20903, 20633..20872, 20797..20904		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.tw	Method	TBLASTX:Wheat
Start	20544	End	20963
GI	none	Score	65
Exons	20544..20747, 20557..20724, 20793..20963, 20803..20880		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o10.tm	Method	TBLASTX:Maize
Start	20910	End	21089
GI	none	Score	122
Exons	20910..21089, 20911..21087		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o5.tw	Method	TBLASTX:Wheat
Start	20997	End	21308
GI	none	Score	64
Exons	20997..21176, 21201..21308		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o3.tm	Method	TBLASTX:Maize
Start	21091	End	21482
GI	none	Score	471
Exons	21091..21480, 21093..21482, 21093..21482		
Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o1.tw	Method	TBLASTX:Wheat

Start	21309	End	21864
GI	none	Score	84
Exons	21309..21533, 21519..21863, 21543..21710, 21775..21864		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o2.ts	Method	TBLASTX:Soybean
Start	21534	End	22031
GI	5509260	Score	130
Exons	21534..22031, 21553..21711, 21775..21951		
GI Descrip.	-		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.tc	Method	TBLASTX:Cress
Start	21645	End	21909
GI	none	Score	91
Exons	21645..21908, 21778..21909		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o5.tm	Method	TBLASTX:Maize
Start	21684	End	21980
GI	none	Score	181
Exons	21684..21980, 21685..21954		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o1.ts	Method	TBLASTX:Soybean
Start	22482	End	22961
GI	none	Score	73
Exons	22482..22628, 22653..22961, 22665..22925, 22666..22956		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o3.tc	Method	TBLASTX:Cress
Start	22506	End	22946
GI	none	Score	199
Exons	22506..22628, 22650..22946		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o2.tm	Method	TBLASTX:Maize
Start	22566	End	22992
GI	none	Score	531
Exons	22566..22961, 22566..22988, 22567..22992		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.gp	Method	AAT/GAP

Start	22639	End	22994
GI	uC-osflcyp139c12a1	Score	585
Exons	22639..22994		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o3.tw	Method	TBLASTX:Wheat
Start	22644	End	23177
GI	none	Score	42
Exons	22644..22724, 22657..22728, 22731..22997, 22831..22980, 23064..23177		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o2.tw	Method	TBLASTX:Wheat
Start	23267	End	23720
GI	none	Score	39
Exons	23267..23347, 23268..23342, 23339..23716, 23354..23719, 23415..23720		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o3.np	Method	AAT/NAP
Start	23327	End	29314
GI	5917666	Score	161
Exons	23327..23473, 23562..23832, 24709..24932, 25012..25063, 25297..25375, 26414..26918, 29276..29314		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o9.tm	Method	TBLASTX:Maize
Start	23390	End	23630
GI	none	Score	262
Exons	23390..23629, 23391..23630		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o1.tm	Method	TBLASTX:Maize
Start	23645	End	24365
GI	none	Score	403
Exons	23645..24070, 23645..24010, 23746..24069, 24075..24107, 24077..24172, 24089..24364, 24090..24365, 24243..24365		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o7.tm	Method	TBLASTX:Maize

Start	24599	End	24890
GI	none	Score	226
Exons	24599..24826, 24599..24889, 24675..24890		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o3.ts	Method	TBLASTX:Soybean
Start	28158	End	29313
GI	none	Score	85
Exons	28158..28280, 28362..28607, 28363..28449, 28365..28607, 28525..28608, 28742..28801, 29080..29289, 29081..29188, 29235..29312, 29236..29313		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o4.np	Method	AAT/NAP
Start	28169	End	29314
GI	2316016	Score	617
Exons	28169..28275, 28363..28606, 28735..28794, 29076..29314		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o2.tc	Method	TBLASTX:Cress
Start	28188	End	29313
GI	none	Score	56
Exons	28188..28280, 28362..28436, 28363..28443, 28365..28610, 28380..28598, 28482..28676, 28525..28665, 28742..28801, 29080..29232, 29081..29164, 29223..29312, 29227..29313		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o8.tm	Method	TBLASTX:Maize
Start	28188	End	29313
GI	none	Score	137
Exons	28188..28280, 28362..28658, 28363..28608, 28742..28801, 29080..29232, 29081..29188, 29184..29246, 29235..29312, 29236..29313		

Seq. No.	16498	Seq. ID	OJ991107_32.9C13.C5
Gene No.	34792	Strand	-
Start	20481	End	29314
Name	OJ991107_32.9C13.C5.o6.tw	Method	TBLASTX:Wheat
Start	28429	End	29232
GI	none	Score	82
Exons	28429..28575, 28431..28589, 28431..28607, 28555..28611, 29080..29232, 29081..29170		

Seq. No.	16499	Seq. ID	OJ991107_39.9C17.C1
Gene No.	34793	Strand	+
Start	1	End	916
Name	OJ991107_39.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	913

GI	4678927	Score	152
Exons	1..66, 738..913		
GI Descrip.	(AL049711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16499	Seq. ID	OJ991107_39.9C17.C1
Gene No.	34793	Strand	+
Start	1	End	916
Name	OJ991107_39.9C17.C1.o1.gs	Method	GENSCAN
Start	111	End	913
GI	none	Score	.89
Exons	111..128, 763..913		

Seq. No.	16499	Seq. ID	OJ991107_39.9C17.C1
Gene No.	34793	Strand	+
Start	1	End	916
Name	OJ991107_39.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	757	End	916
GI	none	Score	235
Exons	757..912, 762..911, 790..912, 827..916		

Seq. No.	16500	Seq. ID	OJ991107_39.9C17.C2
Gene No.	34794	Strand	-
Start	1352	End	1726
Name	OJ991107_39.9C17.C2.o1.gs	Method	GENSCAN
Start	1352	End	1726
GI	none	Score	.59
Exons	1352..1416, 1615..1726		

Seq. No.	16501	Seq. ID	OJ991107_39.9C17.C3
Gene No.	34795	Strand	+
Start	1	End	501
Name	OJ991107_39.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	501
GI	3834321	Score	130
Exons	1..289, 485..501		
GI Descrip.	(AC005679) Strong similarity to F13P17.9 gi|3337356 transport protein SEC61 alpha subunit homolog from Arabidopsis thaliana BAC gb|AC004481. [Arabidopsis thaliana]		

Seq. No.	16501	Seq. ID	OJ991107_39.9C17.C3
Gene No.	34795	Strand	+
Start	1	End	501
Name	OJ991107_39.9C17.C3.o1.gs	Method	GENSCAN
Start	80	End	289
GI	none	Score	.64
Exons	80..289		

Seq. No.	16502	Seq. ID	OJ991107_39.9C17.C4
Gene No.	34796	Strand	-
Start	78	End	1248
Name	OJ991107_39.9C17.C4.o1.gs	Method	GENSCAN
Start	78	End	1248
GI	none	Score	.88
Exons	78..235, 931..999, 1197..1248		

Seq. No.	16502	Seq. ID	OJ991107_39.9C17.C4
Gene No.	34796	Strand	-

Start	78	End	1248
Name	OJ991107_39.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	610	End	996
GI	none	Score	47
Exons	610..684, 610..678, 746..856, 765..854, 928..996		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34797	Strand	+
Start	1220	End	1582
Name	OJ991107_39.9C17.C5.o1.gs	Method	GENSCAN
Start	1220	End	1582
GI	none	Score	.87
Exons	1220..1582		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34798	Strand	+
Start	13348	End	21888
Name	OJ991107_39.9C17.C5.o3.gs	Method	GENSCAN
Start	13348	End	21540
GI	none	Score	.58
Exons	13348..13353, 14563..14677, 14813..14952, 17433..17544, 17752..17928, 17951..18012, 18387..18475, 18591..18660, 18931..18991, 19398..19636, 19753..19879, 20083..20356, 20654..20786, 21198..21284, 21406..21540		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34798	Strand	+
Start	13348	End	21888
Name	OJ991107_39.9C17.C5.o3.np	Method	AAT/NAP
Start	18904	End	21534
GI	3763932	Score	1199
Exons	18904..19012, 19398..19636, 19753..19879, 20083..20356, 20654..20786, 21198..21284, 21406..21534		
GI Descrip.	(AC004450) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34798	Strand	+
Start	13348	End	21888
Name	OJ991107_39.9C17.C5.o2.gp	Method	AAT/GAP
Start	19495	End	20136
GI	428477	Score	594
Exons	19495..19636, 19753..19879, 20083..20136		
GI Descrip.	2880051 7.0e-41 (AC002340) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34798	Strand	+
Start	13348	End	21888
Name	OJ991107_39.9C17.C5.o3.gp	Method	AAT/GAP
Start	20466	End	20835
GI	LIB3434-043-P1-K1-C8	Score	678
Exons	20466..20835		
GI Descrip.	'2880051 1.0e-18 (AC002340) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34798	Strand	+

Start	13348	End	21888
Name	OJ991107_39.9C17.C5.o4.gp	Method	AAT/GAP
Start	21399	End	21888
GI	none	Score	867
Exons	21399..21888		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+
Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o4.gs	Method	GENSCAN
Start	23275	End	25731
GI	none	Score	.63
Exons	23275..23425, 23541..23786, 24125..24195, 24294..24384, 24467..24738, 25222..25731		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+
Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o4.np	Method	AAT/NAP
Start	23278	End	27519
GI	2289001	Score	579
Exons	23278..23407, 23541..23641, 23738..23786, 24125..24195, 24294..24384, 24467..24542, 25371..25464, 25597..25671, 27401..27519		
GI Descrip.	(AC002335) putative U1 small nuclear ribonucleoprotein 70 kDa [Arabidopsis thaliana]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+
Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o5.gp	Method	AAT/GAP
Start	24290	End	25415
GI	27225_1.R1084	Score	813
Exons	24290..24384, 24467..24542, 24660..24738, 25222..25415		
GI Descrip.	'2289001 4.0e-18 (AC002335) small nuclear ribonucleoprotein isolog [Arabidopsis thaliana]'		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+
Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o6.gp	Method	AAT/GAP
Start	27210	End	27493
GI	286852	Score	521
Exons	27210..27493		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+
Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o5.gs	Method	GENSCAN
Start	27335	End	31029
GI	none	Score	.77
Exons	27335..27502, 27660..27830, 28211..28332, 28583..28685, 29185..29307, 29709..29797, 29968..30075, 30170..30260, 30447..30536, 30982..31029		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34799	Strand	+

Start	23275	End	31343
Name	OJ991107_39.9C17.C5.o5.np	Method	AAT/NAP
Start	27359	End	31343
GI	3335347	Score	1016
Exons	27359..27502, 28208..28334, 28585..28685, 28792..28909, 29135..29307, 29521..29622, 29709..29797, 29968..30075, 30170..30260, 30447..30536, 30982..31029, 31208..31343		
GI Descrip.	(AC004512) Contains similarity to ARI, RING finger protein gb|X98309 from Drosophila melanogaster. ESTs gb|T44383, gb|W43120, gb|N65868, gb|H36013, gb|AA042241, gb|T76869 and gb|AA042359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o1.np	Method	AAT/NAP
Start	2561	End	5838
GI	100001	Score	346
Exons	2561..2593, 3788..4232, 4324..4594, 5775..5838		
GI Descrip.	endopeptidase C1 - kidney bean gi|1345573|emb|CAA40073| (X56753) endopeptidase (EP-C1) [Phaseolus vulgaris]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o2.gs	Method	GENSCAN
Start	3425	End	12332
GI	none	Score	.59
Exons	3425..3457, 3666..3800, 3805..4011, 4121..4232, 4320..4419, 4580..4812, 5324..5391, 5489..5546, 7292..7508, 8465..8568, 9586..9626, 10655..10692, 10888..11006, 11130..11191, 12213..12332		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	3772	End	4611
GI	none	Score	57
Exons	3772..3840, 3842..3871, 3881..3952, 3882..3956, 3943..4041, 4108..4185, 4186..4230, 4334..4408, 4335..4409, 4458..4556, 4459..4494, 4534..4611		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o4.ts	Method	TBLASTX:Soybean
Start	3787	End	4593
GI	none	Score	58
Exons	3787..3834, 3834..3956, 3839..3955, 3961..4041, 3962..4111, 4135..4185, 4183..4233, 4322..4390, 4449..4508, 4495..4593		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o2.tc	Method	TBLASTX:Cress
Start	3842	End	4645

GI	none	Score	45
Exons	3842..3955, 3961..4041, 4135..4179, 4183..4233, 4184..4234, 4322..4396, 4323..4397, 4440..4493, 4477..4593, 4610..4645		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o5.tm	Method	TBLASTX:Maize
Start	3842	End	4592
GI	none	Score	45
Exons	3842..3955, 3961..4041, 4135..4179, 4183..4233, 4322..4390, 4443..4493, 4530..4592		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o2.np	Method	AAT/NAP
Start	7288	End	12413
GI	2190540	Score	503
Exons	7288..7508, 9586..9626, 11130..11191, 12213..12413		
GI Descrip.	(AC001229) Similar to Arabidopsis TFL1 (gb|U77674). [Arabidopsis thaliana] gi|4903012|dbj|BAA77838.1| (AB027504) FT [Arabidopsis thaliana] gi|6117978|gb|AAF03936.1|AF152096_1 (AF152096) flowering locus T [Arabidopsis thaliana]		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	7289	End	7525
GI	none	Score	221
Exons	7289..7510, 7291..7515, 7301..7525		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o5.ts	Method	TBLASTX:Soybean
Start	7289	End	7512
GI	none	Score	90
Exons	7289..7465, 7290..7421, 7291..7512, 7292..7510		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34800	Strand	-
Start	2561	End	12436
Name	OJ991107_39.9C17.C5.o7.tm	Method	TBLASTX:Maize
Start	11101	End	12436
GI	none	Score	111
Exons	11101..11190, 11102..11191, 12204..12410, 12205..12408, 12215..12436, 12297..12419		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	18904	End	20313
GI	none	Score	137
Exons	18904..18993, 18905..19006, 19342..19410, 19389..19421,		

19397..19423, 19417..19638, 19422..19547, 19422..19673,
19424..19639, 19462..19641, 19748..19882, 19752..19880,
19752..19895, 19753..19896, 20079..20126, 20081..20311,
20082..20312, 20083..20313

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	19399	End	20315
GI	none	Score	267
Exons	19399..19638, 19424..19639, 19752..19883, 19753..19893, 20081..20311, 20082..20315, 20178..20315		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	19399	End	21498
GI	none	Score	312
Exons	19399..19638, 19409..19639, 19737..19883, 19752..19877, 19753..19893, 20081..20359, 20082..20357, 20651..20788, 20654..20800, 20655..20792, 21191..21286, 21192..21287, 21219..21299, 21405..21497, 21436..21498		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	19427	End	19869
GI	none	Score	231
Exons	19427..19600, 19495..19626, 19748..19861, 19752..19865, 19752..19862, 19753..19869		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	20100	End	20273
GI	none	Score	184
Exons	20100..20273, 20111..20272		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o6.tm	Method	TBLASTX:Maize
Start	20316	End	21511
GI	none	Score	76
Exons	20316..20357, 20644..20787, 20654..20800, 20655..20792, 21191..21286, 21192..21287, 21405..21503, 21416..21511, 21436..21504		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34801	Strand	
Start	18904	End	21511
Name	OJ991107_39.9C17.C5.o4.tc	Method	TBLASTX:Cress
Start	20325	End	20794

GI	none	Score	63
Exons	20325..20360, 20628..20786, 20649..20792, 20651..20794		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34802	Strand	
Start	23310	End	24369
Name	OJ991107_39.9C17.C5.o3.tc	Method	TBLASTX:Cress
Start	23310	End	24329
GI	none	Score	167
Exons	23310..23435, 23311..23424, 23542..23598, 23543..23641, 23738..23785, 24123..24197, 24124..24195, 24294..24329		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34802	Strand	
Start	23310	End	24369
Name	OJ991107_39.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	23310	End	24369
GI	none	Score	167
Exons	23310..23423, 23311..23424, 23542..23595, 23543..23641, 23738..23785, 24123..24188, 24124..24192, 24135..24209, 24294..24368, 24294..24368, 24295..24369		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34802	Strand	
Start	23310	End	24369
Name	OJ991107_39.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	23310	End	24182
GI	none	Score	185
Exons	23310..23423, 23311..23424, 23540..23638, 23543..23638, 23551..23640, 23685..23786, 23733..23807, 24123..24179, 24124..24180, 24126..24182, 24131..24181		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34803	Strand	
Start	28835	End	31261
Name	OJ991107_39.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	28835	End	31261
GI	none	Score	121
Exons	28835..28909, 28836..28910, 28837..28911, 29128..29307, 29133..29288, 29137..29307, 29141..29308, 29520..29621, 29524..29622, 29709..29810, 29714..29806, 29968..30075, 29969..30076, 29979..30080, 30156..30260, 30164..30256, 30447..30536, 30447..30536, 31205..31261, 31208..31261		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34803	Strand	
Start	28835	End	31261
Name	OJ991107_39.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	29236	End	30536
GI	none	Score	70
Exons	29236..29307, 29524..29613, 29530..29622, 29575..29622, 29706..29798, 29709..29810, 29714..29806, 29968..30075, 29969..30076, 30021..30083, 30156..30260, 30164..30304, 30447..30536, 30447..30533		

Seq. No.	16503	Seq. ID	OJ991107_39.9C17.C5
Gene No.	34803	Strand	

Start	28835	End	31261
Name	OJ991107_39.9C17.C5.o5.tc	Method	TBLASTX:Cress
Start	30013	End	30537
GI	none	Score	113
Exons	30013..30075, 30014..30076, 30164..30304, 30165..30257, 30444..30536, 30444..30533, 30445..30537, 30445..30534		

Seq. No.	16504	Seq. ID	OJ991107_39.9C17.C8
Gene No.	34804	Strand	-
Start	1	End	188
Name	OJ991107_39.9C17.C8.o1.gp	Method	AAT/GAP
Start	1	End	188
GI	2312731	Score	372
Exons	1..188		

Seq. No.	16504	Seq. ID	OJ991107_39.9C17.C8
Gene No.	34805	Strand	-
Start	112	End	2353
Name	OJ991107_39.9C17.C8.o1.gs	Method	GENSCAN
Start	112	End	2315
GI	none	Score	.93
Exons	112..282, 957..1011, 1392..1549, 2166..2315		

Seq. No.	16504	Seq. ID	OJ991107_39.9C17.C8
Gene No.	34805	Strand	-
Start	112	End	2353
Name	OJ991107_39.9C17.C8.o1.np	Method	AAT/NAP
Start	121	End	2353
GI	6017116	Score	509
Exons	121..282, 812..865, 957..1011, 1392..1549, 2166..2353		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	16504	Seq. ID	OJ991107_39.9C17.C8
Gene No.	34805	Strand	-
Start	112	End	2353
Name	OJ991107_39.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	142	End	291
GI	none	Score	109
Exons	142..291, 143..289, 147..290, 154..291		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34806	Strand	+
Start	10901	End	13987
Name	OJ991107_39.9C17.C9.o2.gs	Method	GENSCAN
Start	10901	End	13968
GI	none	Score	.72
Exons	10901..11040, 11344..11866, 13418..13579, 13747..13968		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34806	Strand	+
Start	10901	End	13987
Name	OJ991107_39.9C17.C9.o4.gp	Method	AAT/GAP
Start	12308	End	12834
GI	none	Score	1001
Exons	12308..12834		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9

Gene No.	34806	Strand	+
Start	10901	End	13987
Name	OJ991107_39.9C17.C9.o5.gp	Method	AAT/GAP
Start	13509	End	13987
GI	2800426	Score	621
Exons	13509..13987		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	2131
GI	6017116	Score	525
Exons	1..54, 646..770, 898..1027, 1629..1720, 1826..1994, 2078..2131		
GI Descrip.	(AC009895) unknown protein [Arabidopsis thaliana]		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o1.gs	Method	GENSCAN
Start	313	End	10769
GI	none	Score	.76
Exons	313..320, 507..558, 646..781, 909..1036, 1629..1720, 1826..2037, 2345..2509, 3190..3281, 3572..3644, 3735..3874, 3981..4073, 4637..4808, 4886..5034, 5119..5328, 5442..5560, 6044..6188, 6232..6349, 7881..7974, 9047..9177, 10211..10431, 10516..10587, 10713..10769		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o1.gp	Method	AAT/GAP
Start	3224	End	6351
GI	5527_2.R1084	Score	2917
Exons	3224..3644, 3735..3874, 3981..4073, 4637..4808, 4886..5034, 5119..5328, 5442..5560, 6113..6351		
GI Descrip.	'3478700 1.0e-100 (AF034387) AFT protein [Arabidopsis thaliana]'		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o2.np	Method	AAT/NAP
Start	3548	End	5600
GI	6598335	Score	804
Exons	3548..3644, 3735..3874, 3981..4073, 4637..4808, 4886..5034, 5119..5328, 5442..5600		
GI Descrip.	(AC002329) putative glucanase [Arabidopsis thaliana]		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o2.gp	Method	AAT/GAP
Start	9815	End	10407
GI	none	Score	980
Exons	9815..10123, 10211..10407		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9

Gene No.	34807	Strand	-
Start	1	End	11589
Name	OJ991107_39.9C17.C9.o3.gp	Method	AAT/GAP
Start	10377	End	11589
GI	none	Score	716
Exons	10377..10431, 10516..10587, 10713..10824, 11391..11589		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34808	Strand	-
Start	13841	End	15713
Name	OJ991107_39.9C17.C9.o3.np	Method	AAT/NAP
Start	13841	End	15713
GI	6714336	Score	158
Exons	13841..13981, 14136..14230, 15691..15713		
GI Descrip.	(AC016162) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	299	End	935
GI	none	Score	76
Exons	299..403, 302..397, 309..410, 505..555, 506..556, 652..789, 662..784, 899..934, 900..935		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	299	End	1009
GI	none	Score	76
Exons	299..403, 309..404, 505..561, 505..558, 643..789, 659..751, 908..1009, 908..1009		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	299	End	1027
GI	none	Score	72
Exons	299..403, 309..404, 499..555, 505..558, 631..783, 643..789, 908..1027, 909..956		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	3536	End	5503
GI	none	Score	127
Exons	3536..3667, 3541..3666, 3543..3680, 3730..3822, 3734..3877, 3734..3853, 3735..3875, 3981..4076, 3983..4075, 4627..4677, 4628..4810, 4629..4808, 4729..4809, 4855..5037, 4883..5035, 4885..5037, 5117..5329, 5117..5323, 5119..5331, 5119..5334, 5433..5501, 5441..5503		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-

Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	3543	End	4007
GI	none	Score	142
Exons	3543..3680, 3545..3667, 3729..3875, 3734..3877, 3735..3794, 3735..3875, 3736..3894, 3749..3871, 3981..4001, 3984..4007		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	3545	End	5334
GI	none	Score	102
Exons	3545..3643, 3549..3635, 3734..3877, 3734..3853, 3735..3875, 3740..3877, 3969..4076, 3978..4076, 4628..4675, 4745..4810, 4852..5040, 4885..5037, 5119..5232, 5126..5233, 5221..5334, 5222..5329		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	3545	End	5480
GI	none	Score	107
Exons	3545..3643, 3546..3644, 3729..3824, 3734..3877, 3734..3853, 3735..3872, 3749..3871, 3969..4076, 3978..4076, 3984..4007, 4629..4700, 4630..4671, 4715..4810, 4716..4811, 4852..5037, 4883..5035, 4885..5037, 5117..5329, 5119..5331, 5119..5334, 5328..5366, 5442..5480		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	4636	End	5160
GI	none	Score	53
Exons	4636..4674, 4637..4810, 4638..4808, 4768..4809, 4882..5037, 4883..5035, 4885..5037, 5119..5160, 5119..5160		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	10021	End	11504
GI	none	Score	70
Exons	10021..10128, 10058..10123, 10202..10264, 10210..10263, 10300..10425, 10300..10431, 10316..10432, 10513..10587, 10514..10576, 10710..10817, 10711..10848, 10717..10836, 11390..11491, 11394..11504		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	10030	End	11504
GI	none	Score	148
Exons	10030..10128, 10031..10123, 10202..10432, 10209..10427,		

10210..10431, 10513..10587, 10514..10588, 10710..10823, 10713..10832, 10717..10830, 10718..10897, 11390..11491, 11391..11504

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o4.tc	Method	TBLASTX:Cress
Start	10031	End	10374
GI	none	Score	75
Exons	10031..10123, 10033..10128, 10202..10294, 10210..10296, 10276..10374, 10334..10372		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o3.tc	Method	TBLASTX:Cress
Start	10381	End	11513
GI	none	Score	58
Exons	10381..10467, 10382..10432, 10534..10587, 10535..10573, 10537..10587, 10687..10818, 10710..10817, 10713..10832, 10714..10830, 11393..11491, 11394..11513		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o3.gs	Method	GENSCAN
Start	15648	End	16178
GI	none	Score	.44
Exons	15648..15682, 16118..16178		

Seq. No.	16505	Seq. ID	OJ991107_39.9C17.C9
Gene No.	34809	Strand	-
Start	15648	End	16194
Name	OJ991107_39.9C17.C9.o6.gp	Method	AAT/GAP
Start	15913	End	16194
GI	none	Score	552
Exons	15913..16194		

Seq. No.	16506	Seq. ID	OJ991107_39.9C17.C10
Gene No.	34810	Strand	-
Start	84	End	162
Name	OJ991107_39.9C17.C10.o1.gs	Method	GENSCAN
Start	84	End	162
GI	none	Score	.85
Exons	84..162		

Seq. No.	16506	Seq. ID	OJ991107_39.9C17.C10
Gene No.	34811	Strand	-
Start	1645	End	4118
Name	OJ991107_39.9C17.C10.o2.gs	Method	GENSCAN
Start	1645	End	3855
GI	none	Score	.77
Exons	1645..1707, 2776..2976, 3447..3629, 3697..3855		

Seq. No.	16506	Seq. ID	OJ991107_39.9C17.C10
Gene No.	34811	Strand	-

Start	1645	End	4118
Name	OJ991107_39.9C17.C10.o1.np	Method	AAT/NAP
Start	2773	End	4118
GI	4678927	Score	373
Exons	2773..2976, 3447..3629, 3697..3855, 4048..4118		
GI Descrip.	(AL049711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16506	Seq. ID	OJ991107_39.9C17.C10
Gene No.	34811	Strand	-
Start	1645	End	4118
Name	OJ991107_39.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	3439	End	4118
GI	none	Score	73
Exons	3439..3549, 3444..3527, 3444..3635, 3445..3633, 3597..3635, 3697..3858, 3697..3882, 3699..3860, 4045..4116, 4048..4116, 4053..4118		

Seq. No.	16506	Seq. ID	OJ991107_39.9C17.C10
Gene No.	34811	Strand	-
Start	1645	End	4118
Name	OJ991107_39.9C17.C10.o1.gp	Method	AAT/GAP
Start	3489	End	4118
GI	LIB3434-032-P1-K1-D6	Score	702
Exons	3489..3629, 3697..3855, 4048..4118		
GI Descrip.	'4678927/emb|CAB41318.1| 6.0e-30 (AL049711) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34812	Strand	-
Start	12	End	1280
Name	OJ991107_39.9C17.C11.o1.gs	Method	GENSCAN
Start	12	End	1235
GI	none	Score	.88
Exons	12..155, 466..557, 938..1235		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34812	Strand	-
Start	12	End	1280
Name	OJ991107_39.9C17.C11.o1.gp	Method	AAT/GAP
Start	943	End	1280
GI	701747	Score	626
Exons	943..1280		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o1.np	Method	AAT/NAP
Start	3609	End	6177
GI	3834321	Score	693
Exons	3609..4484, 4662..4864, 6127..6177		
GI Descrip.	(AC005679) Strong similarity to F13P17.9 gi|3337356 transport protein SEC61 alpha subunit homolog from Arabidopsis thaliana BAC gb|AC004481. [Arabidopsis thaliana]		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198

Name	OJ991107_39.9C17.C11.o2.gs	Method	GENSCAN
Start	3631	End	8082
GI	none	Score	.46
Exons	3631..4463, 4714..4869, 5529..5744, 5774..5923, 6202..6309, 7211..8082		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	3637	End	4443
GI	none	Score	115
Exons	3637..3816, 3638..3781, 3817..3921, 3854..3922, 3970..4062, 4072..4284, 4076..4279, 4308..4442, 4357..4443		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	3637	End	4443
GI	none	Score	123
Exons	3637..3816, 3638..3781, 3817..3921, 3854..3922, 3970..4008, 4021..4062, 4072..4284, 4073..4276, 4308..4442, 4318..4443		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	3728	End	4443
GI	none	Score	51
Exons	3728..3781, 3817..3921, 3854..3961, 3970..4062, 4072..4284, 4076..4279, 4278..4442, 4318..4443		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o2.np	Method	AAT/NAP
Start	7164	End	8198
GI	6630696	Score	1736
Exons	7164..8198		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	7300	End	7775
GI	none	Score	399
Exons	7300..7686, 7302..7685, 7701..7775, 7702..7770, 7715..7774		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o3.ts	Method	TBLASTX:Soybean
Start	7428	End	7769

GI	none	Score	92
Exons	7428..7637, 7507..7632, 7656..7769, 7666..7734		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	7631	End	8003
GI	none	Score	105
Exons	7631..7879, 7632..8003, 7633..7980		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	7779	End	8130
GI	none	Score	72
Exons	7779..7961, 7782..7970, 7783..7971, 7966..8130, 7971..8129		

Seq. No.	16507	Seq. ID	OJ991107_39.9C17.C11
Gene No.	34813	Strand	-
Start	3631	End	8198
Name	OJ991107_39.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	7980	End	8189
GI	none	Score	174
Exons	7980..8189		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34814	Strand	-
Start	1	End	2299
Name	OJ991107_39.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	2299
GI	6630696	Score	3905
Exons	1..2299		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34814	Strand	-
Start	1	End	2299
Name	OJ991107_39.9C17.C12.o1.gp	Method	AAT/GAP
Start	1368	End	2257
GI	101595_1.R1084	Score	1395
Exons	1368..1442, 1557..2257		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	672
GI	none	Score	101
Exons	1..672, 2..106, 31..171, 199..450, 206..664		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12

Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	322	End	720
GI	none	Score	101
Exons	322..495, 499..720, 503..718		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o3.tm	Method	TBLASTX:Maize
Start	508	End	971
GI	none	Score	72
Exons	508..771, 515..733, 750..971		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o3.tw	Method	TBLASTX:Wheat
Start	673	End	864
GI	none	Score	110
Exons	673..768, 674..769, 699..776, 699..791, 750..863, 769..864		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1427
GI	none	Score	367
Exons	1083..1124, 1153..1425, 1153..1425, 1154..1426, 1154..1426, 1155..1427		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o2.tm	Method	TBLASTX:Maize
Start	1949	End	2257
GI	none	Score	131
Exons	1949..2257, 1952..2143, 2014..2157, 2028..2192		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o2.tw	Method	TBLASTX:Wheat
Start	2008	End	2405
GI	none	Score	161
Exons	2008..2190, 2009..2293, 2028..2219, 2270..2404, 2307..2405		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12
Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o2.gs	Method	GENSCAN
Start	4429	End	5902
GI	none	Score	.8
Exons	4429..4638, 4817..4980, 5152..5235, 5787..5902		

Seq. No.	16508	Seq. ID	OJ991107_39.9C17.C12

Gene No.	34815	Strand	-
Start	4429	End	5902
Name	OJ991107_39.9C17.C12.o4.tm	Method	TBLASTX:Maize
Start	4480	End	5227
GI	none	Score	96
Exons	4480..4596, 4597..4638, 4814..4954, 4988..5068, 5153..5227		

Seq. No.	16509	Seq. ID	OJ991107_39.9C17.C13
Gene No.	34816	Strand	+
Start	66	End	657
Name	OJ991107_39.9C17.C13.o1.gs	Method	GENSCAN
Start	66	End	657
GI	none	Score	.73
Exons	66..184, 651..657		

Seq. No.	16509	Seq. ID	OJ991107_39.9C17.C13
Gene No.	34817	Strand	-
Start	941	End	6912
Name	OJ991107_39.9C17.C13.o1.gp	Method	AAT/GAP
Start	899	End	1793
GI	none	Score	890
Exons	899..1280, 1721..1793		

Seq. No.	16509	Seq. ID	OJ991107_39.9C17.C13
Gene No.	34817	Strand	-
Start	941	End	6912
Name	OJ991107_39.9C17.C13.o2.gs	Method	GENSCAN
Start	941	End	6625
GI	none	Score	.44
Exons	941..1280, 1596..1678, 1721..1846, 3361..3573, 4204..4260, 4884..4915, 5853..5974, 6567..6625		

Seq. No.	16509	Seq. ID	OJ991107_39.9C17.C13
Gene No.	34817	Strand	-
Start	941	End	6912
Name	OJ991107_39.9C17.C13.o1.np	Method	AAT/NAP
Start	1757	End	6912
GI	1617272	Score	501
Exons	1757..1846, 1922..2014, 2277..2838, 3235..3284, 3415..3595, 3718..3801, 4109..4176, 4502..4639, 4788..4870, 6888..6912		
GI Descrip.	(Z72151) AMP-binding protein [Brassica napus]		

Seq. No.	16509	Seq. ID	OJ991107_39.9C17.C13
Gene No.	34817	Strand	-
Start	941	End	6912
Name	OJ991107_39.9C17.C13.o2.gp	Method	AAT/GAP
Start	4521	End	6912
GI	none	Score	936
Exons	4521..4910, 6562..6654, 6742..6803, 6873..6912		

Seq. No.	16510	Seq. ID	OJ991107_39.9C17.C14
Gene No.	34818	Strand	-
Start	1	End	452
Name	OJ991107_39.9C17.C14.o1.gp	Method	AAT/GAP
Start	1	End	445
GI	uC-osroM202011b08b1	Score	821
Exons	1..445		

GI Descrip.	'4678323/emb|CAB41134.1| 1.0e-13 (AL049658) putative protein [Arabidopsis thaliana]'		
Seq. No.	16510	Seq. ID	OJ991107_39.9C17.C14
Gene No.	34818	Strand	-
Start	1	End	452
Name	OJ991107_39.9C17.C14.o1.gs	Method	GENSCAN
Start	24	End	425
GI	none	Score	.85
Exons	24..151, 268..425		
Seq. No.	16510	Seq. ID	OJ991107_39.9C17.C14
Gene No.	34818	Strand	-
Start	1	End	452
Name	OJ991107_39.9C17.C14.o1.tm	Method	TBLASTX:Maize
Start	148	End	452
GI	none	Score	173
Exons	148..183, 184..300, 185..319, 353..451	186..299, 343..450, 351..452,	
Seq. No.	16511	Seq. ID	OJ991107_39.9C17.C15
Gene No.	34819	Strand	-
Start	130	End	320
Name	OJ991107_39.9C17.C15.o1.gs	Method	GENSCAN
Start	130	End	320
GI	none	Score	.67
Exons	130..229, 256..320		
Seq. No.	16512	Seq. ID	OJ991107_39.9C17.C16
Gene No.	34820	Strand	-
Start	1	End	590
Name	OJ991107_39.9C17.C16.o1.gp	Method	AAT/GAP
Start	1	End	241
GI	uC-osflcyp143a10b1	Score	321
Exons	1..241		
GI Descrip.	'3738306 1.0e-45 (AC005309) unknown protein [Arabidopsis thaliana]'		
Seq. No.	16512	Seq. ID	OJ991107_39.9C17.C16
Gene No.	34820	Strand	-
Start	1	End	590
Name	OJ991107_39.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	590
GI	3738306	Score	189
Exons	1..590		
GI Descrip.	(AC005309) putative serine protease [Arabidopsis thaliana]		
Seq. No.	16512	Seq. ID	OJ991107_39.9C17.C16
Gene No.	34820	Strand	-
Start	1	End	590
Name	OJ991107_39.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	6	End	269
GI	none	Score	53
Exons	6..95, 34..159, 39..122, 47..160, 166..267, 198..269		
Seq. No.	16512	Seq. ID	OJ991107_39.9C17.C16
Gene No.	34820	Strand	-

Start	1	End	590
Name	OJ991107_39.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	34	End	341
GI	none	Score	121
Exons	34..159, 45..158, 47..160, 154..291, 213..341, 219..329		

Seq. No.	16513	Seq. ID	OJ991107_38.9C13.C1
Gene No.	34821	Strand	+
Start	72	End	3005
Name	OJ991107_38.9C13.C1.o1.gs	Method	GENSCAN
Start	72	End	3005
GI	none	Score	.79
Exons	72..237, 554..676, 1413..1535, 1834..1956, 2252..2374, 2676..2804, 2904..3005		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34822	Strand	+
Start	1	End	1709
Name	OJ991107_38.9C13.C2.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	5257263	Score	253
Exons	1..34, 877..1256, 1310..1694		
GI Descrip.	(AP000364) EST AU029260(E30024) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana rd22 gene. (D10703) [Oryza sativa]		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34822	Strand	+
Start	1	End	1709
Name	OJ991107_38.9C13.C2.o1.gs	Method	GENSCAN
Start	882	End	1709
GI	none	Score	.69
Exons	882..1709		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34823	Strand	+
Start	2011	End	6976
Name	OJ991107_38.9C13.C2.o2.np	Method	AAT/NAP
Start	2011	End	3319
GI	5777617	Score	103
Exons	2011..2042, 3196..3319		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34823	Strand	+
Start	2011	End	6976
Name	OJ991107_38.9C13.C2.o4.np	Method	AAT/NAP
Start	2740	End	6976
GI	6899926	Score	42
Exons	2740..2788, 4574..4731, 6908..6976		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34824	Strand	+
Start	9615	End	10794
Name	OJ991107_38.9C13.C2.o5.np	Method	AAT/NAP
Start	9615	End	10794

GI	6539588	Score	167
Exons	9615..9916, 10726..10794		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o1.tm	Method	TBLASTX:Maize
Start	832	End	1688
GI	none	Score	37
Exons	832..876, 900..1100, 914..1093, 1104..1142, 1163..1258, 1164..1259, 1299..1337, 1400..1453, 1401..1511, 1535..1633, 1536..1634, 1622..1687, 1632..1688, 1632..1688		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o1.tw	Method	TBLASTX:Wheat
Start	938	End	1259
GI	none	Score	200
Exons	938..1141, 939..1142, 1026..1142, 1163..1258, 1164..1259		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o2.gs	Method	GENSCAN
Start	2823	End	6105
GI	none	Score	.64
Exons	2823..3070, 3473..3694, 3882..3981, 4079..4357, 4375..4883, 5349..5486, 6036..6105		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o3.np	Method	AAT/NAP
Start	3871	End	4476
GI	5596481	Score	394
Exons	3871..3981, 4079..4476		
GI Descrip.	(AL096882) putative protein [Arabidopsis thaliana]		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o1.tc	Method	TBLASTX:Cress
Start	3949	End	4360
GI	none	Score	43
Exons	3949..3984, 3950..3991, 4079..4120, 4080..4121, 4106..4360, 4248..4358		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o1.ts	Method	TBLASTX:Soybean
Start	4079	End	4467
GI	none	Score	93
Exons	4079..4135, 4169..4360, 4248..4358, 4345..4467		

Seq. No.	16514	Seq. ID	OJ991107_38.9C13.C2
Gene No.	34825	Strand	-
Start	2823	End	6105
Name	OJ991107_38.9C13.C2.o2.tm	Method	TBLASTX:Maize
Start	4196	End	4470
GI	none	Score	145
Exons	4196..4360, 4242..4358, 4345..4470, 4361..4456		

Seq. No.	16515	Seq. ID	OJ991107_38.9C13.C3
Gene No.	34826	Strand	+
Start	421	End	497
Name	OJ991107_38.9C13.C3.o1.gs	Method	GENSCAN
Start	421	End	497
GI	none	Score	.79
Exons	421..497		

Seq. No.	16515	Seq. ID	OJ991107_38.9C13.C3
Gene No.	34827	Strand	-
Start	1	End	534
Name	OJ991107_38.9C13.C3.o1.np	Method	AAT/NAP
Start	1	End	534
GI	6525246	Score	103
Exons	1..212, 416..534		
GI Descrip.	(U12390) beta-galactosidase alpha peptide [Cloning vector pSport1]		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34828	Strand	+
Start	5205	End	7466
Name	OJ991107_38.9C13.C4.o3.gs	Method	GENSCAN
Start	5205	End	7466
GI	none	Score	.93
Exons	5205..5336, 5562..5813, 5961..6148, 7220..7466		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34829	Strand	+
Start	8167	End	8717
Name	OJ991107_38.9C13.C4.o4.gs	Method	GENSCAN
Start	8167	End	8717
GI	none	Score	.91
Exons	8167..8301, 8350..8385, 8652..8717		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34830	Strand	-
Start	402	End	857
Name	OJ991107_38.9C13.C4.o1.gp	Method	AAT/GAP
Start	402	End	857
GI	40099_1.R1084	Score	881
Exons	402..857		
GI Descrip.	'3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:'		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34831	Strand	-

Start	2443	End	4759
Name	OJ991107_38.9C13.C4.o1.np	Method	AAT/NAP
Start	2443	End	4749
GI	4850403	Score	94
Exons	2443..2467, 4452..4749		
GI Descrip.	(AC007357) F3F19.23 [Arabidopsis thaliana]		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34831	Strand	-
Start	2443	End	4759
Name	OJ991107_38.9C13.C4.o2.gs	Method	GENSCAN
Start	3415	End	4759
GI	none	Score	.63
Exons	3415..3983, 4204..4759		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34832	Strand	-
Start	5526	End	7063
Name	OJ991107_38.9C13.C4.o2.np	Method	AAT/NAP
Start	5526	End	7063
GI	5042463	Score	130
Exons	5526..5828, 5933..6014, 6065..6201, 6854..7063		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34833	Strand	-
Start	10177	End	13061
Name	OJ991107_38.9C13.C4.o1.tm	Method	TBLASTX:Maize
Start	1	End	567
GI	none	Score	90
Exons	1..54, 2..70, 3..71, 3..71, 256..567, 256..480, 258..566, 511..567		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34833	Strand	-
Start	10177	End	13061
Name	OJ991107_38.9C13.C4.o1.ts	Method	TBLASTX:Soybean
Start	3	End	456
GI	none	Score	80
Exons	3..65, 4..54, 252..455, 256..456		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34833	Strand	-
Start	10177	End	13061
Name	OJ991107_38.9C13.C4.o5.gs	Method	GENSCAN
Start	10177	End	12856
GI	none	Score	.82
Exons	10177..10266, 11238..11445, 12721..12856		

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34833	Strand	-
Start	10177	End	13061
Name	OJ991107_38.9C13.C4.o3.np	Method	AAT/NAP
Start	11536	End	13061
GI	6227002	Score	139
Exons	11536..11555, 12726..12871, 12950..13061		
GI Descrip.	(AC009360) Contains a PF|00097 Zinc finger, C3HC4 type (RING		

finger) domain. ESTs gb|N96912 and gb|AI994359 come from this gene. [Arabidopsis thaliana]

Seq. No.	16516	Seq. ID	OJ991107_38.9C13.C4
Gene No.	34833	Strand	-
Start	10177	End	13061
Name	OJ991107_38.9C13.C4.o3.gp	Method	AAT/GAP
Start	12762	End	13061
GI	2427787	Score	393
Exons	12762..12862, 12938..13061		
GI Descrip.	3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:		

Seq. No.	16517	Seq. ID	OJ991107_38.9C13.C5
Gene No.	34834	Strand	-
Start	1	End	742
Name	OJ991107_38.9C13.C5.o1.np	Method	AAT/NAP
Start	1	End	468
GI	6227002	Score	571
Exons	1..468		
GI Descrip.	(AC009360) Contains a PF|00097 Zinc finger, C3HC4 type (RING finger) domain. ESTs gb|N96912 and gb|AI994359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16517	Seq. ID	OJ991107_38.9C13.C5
Gene No.	34834	Strand	-
Start	1	End	742
Name	OJ991107_38.9C13.C5.o1.gs	Method	GENSCAN
Start	22	End	701
GI	none	Score	.52
Exons	22..501, 655..701		

Seq. No.	16517	Seq. ID	OJ991107_38.9C13.C5
Gene No.	34834	Strand	-
Start	1	End	742
Name	OJ991107_38.9C13.C5.o1.ts	Method	TBLASTX:Soybean
Start	118	End	471
GI	none	Score	225
Exons	118..393, 158..469, 160..471		

Seq. No.	16517	Seq. ID	OJ991107_38.9C13.C5
Gene No.	34834	Strand	-
Start	1	End	742
Name	OJ991107_38.9C13.C5.o1.gp	Method	AAT/GAP
Start	302	End	742
GI	none	Score	528
Exons	302..501, 655..742		

Seq. No.	16518	Seq. ID	OJ991107_38.9C13.C6
Gene No.	34835	Strand	+
Start	13	End	192
Name	OJ991107_38.9C13.C6.o1.gs	Method	GENSCAN
Start	13	End	192
GI	none	Score	.88

Exons	13..192		
Seq. No.	16518	Seq. ID	OJ991107_38.9C13.C6
Gene No.	34836	Strand	-
Start	2078	End	5800
Name	OJ991107_38.9C13.C6.o1.gp	Method	AAT/GAP
Start	1886	End	5800
GI	none	Score	1908
Exons	1886..2162, 2250..2290, 2368..2414, 2631..2798, 3692..3890, 5516..5800		
Seq. No.	16518	Seq. ID	OJ991107_38.9C13.C6
Gene No.	34836	Strand	-
Start	2078	End	5800
Name	OJ991107_38.9C13.C6.o1.np	Method	AAT/NAP
Start	2073	End	5800
GI	6735307	Score	231
Exons	2073..2162, 2250..2290, 2368..2453, 2631..2798, 3692..3731, 5735..5800		
GI Descrip.	(AL137080) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16518	Seq. ID	OJ991107_38.9C13.C6
Gene No.	34836	Strand	-
Start	2078	End	5800
Name	OJ991107_38.9C13.C6.o2.gs	Method	GENSCAN
Start	2078	End	5689
GI	none	Score	.76
Exons	2078..2200, 2368..2414, 2631..2798, 3731..3905, 5516..5689		
Seq. No.	16518	Seq. ID	OJ991107_38.9C13.C6
Gene No.	34836	Strand	-
Start	2078	End	5800
Name	OJ991107_38.9C13.C6.o1.tm	Method	TBLASTX:Maize
Start	2114	End	3893
GI	none	Score	48
Exons	2114..2164, 2114..2164, 2228..2290, 2250..2291, 2369..2398, 2371..2418, 2613..2798, 2617..2799, 2623..2799, 2624..2803, 2627..2803, 3675..3767, 3690..3758, 3764..3829, 3774..3833, 3852..3893, 3852..3893		
Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34837	Strand	+
Start	523	End	2230
Name	OJ991107_38.9C13.C7.o1.gs	Method	GENSCAN
Start	523	End	2230
GI	none	Score	.52
Exons	523..621, 2114..2230		
Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34838	Strand	+
Start	6590	End	10494
Name	OJ991107_38.9C13.C7.o1.np	Method	AAT/NAP
Start	6590	End	10494
GI	6539553	Score	6443
Exons	6590..10494		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837)		

Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o3.tw	Method	TBLASTX:Wheat
Start	5778	End	9678
GI	none	Score	296
Exons	5778..5831, 5811..5897, 9133..9477, 9150..9173, 9280..9453, 9472..9678, 9537..9668		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o4.tw	Method	TBLASTX:Wheat
Start	6580	End	6881
GI	none	Score	165
Exons	6580..6720, 6581..6721, 6720..6881, 6750..6860		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o3.tm	Method	TBLASTX:Maize
Start	6726	End	7031
GI	none	Score	168
Exons	6726..6902, 6728..6886, 6888..7028, 6892..7029, 6901..7026, 6915..7031		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o1.tm	Method	TBLASTX:Maize
Start	7530	End	7852
GI	none	Score	280
Exons	7530..7850, 7537..7851, 7557..7850, 7691..7852		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o5.ts	Method	TBLASTX:Soybean
Start	7885	End	8265
GI	none	Score	84
Exons	7885..8034, 8017..8265		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o5.tw	Method	TBLASTX:Wheat
Start	7984	End	8322
GI	none	Score	268
Exons	7984..8322, 8059..8301		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o5.tm	Method	TBLASTX:Maize

Start	8053	End	8487
GI	none	Score	285
Exons	8053..8487, 8304..8462		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o3.ts	Method	TBLASTX:Soybean
Start	8275	End	8673
GI	none	Score	181
Exons	8275..8499, 8290..8454, 8500..8673		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o1.tw	Method	TBLASTX:Wheat
Start	8323	End	9078
GI	none	Score	590
Exons	8323..8772, 8331..8807, 8831..9061, 8869..9078, 8897..9058, 8919..9077		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o1.ts	Method	TBLASTX:Soybean
Start	8998	End	9462
GI	5509260	Score	346
Exons	8998..9462, 9093..9311, 9139..9441, 9384..9443		
GI Descrip.	-		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o1.tc	Method	TBLASTX:Cress
Start	9093	End	9342
GI	none	Score	252
Exons	9093..9263, 9094..9342		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o2.tm	Method	TBLASTX:Maize
Start	9133	End	9597
GI	none	Score	339
Exons	9133..9597, 9148..9450		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o2.ts	Method	TBLASTX:Soybean
Start	9531	End	9876
GI	none	Score	311
Exons	9531..9731, 9532..9876		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006

Name	OJ991107_38.9C13.C7.o4.tm	Method	TBLASTX:Maize
Start	9687	End	10026
GI	none	Score	304
Exons	9687..10025, 9688..10026		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o2.tw	Method	TBLASTX:Wheat
Start	9882	End	10358
GI	none	Score	97
Exons	9882..9953, 9883..9957, 9888..9971, 9971..10279, 9972..10358, 9973..10320		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o4.ts	Method	TBLASTX:Soybean
Start	9889	End	10230
GI	none	Score	92
Exons	9889..10002, 9915..9995, 10021..10230, 10021..10209		

Seq. No.	16519	Seq. ID	OJ991107_38.9C13.C7
Gene No.	34839	Strand	+
Start	11249	End	12006
Name	OJ991107_38.9C13.C7.o3.gs	Method	GENSCAN
Start	11249	End	12006
GI	none	Score	.54
Exons	11249..11589, 11729..12006		

Seq. No.	16520	Seq. ID	OJ991107_38.9C13.C8
Gene No.	34840	Strand	+
Start	523	End	8969
Name	OJ991107_38.9C13.C8.o1.gs	Method	GENSCAN
Start	523	End	8969
GI	none	Score	.79
Exons	523..576, 2840..2888, 3131..3282, 3322..3618, 3769..3806, 5164..5266, 7263..7379, 7486..7526, 7783..7884, 7972..8188, 8319..8546, 8628..8755, 8852..8969		

Seq. No.	16520	Seq. ID	OJ991107_38.9C13.C8
Gene No.	34840	Strand	+
Start	523	End	8969
Name	OJ991107_38.9C13.C8.o1.ts	Method	TBLASTX:Soybean
Start	5183	End	6553
GI	none	Score	81
Exons	5183..5269, 5194..5271, 5296..5466, 5356..5472, 5361..5477, 5547..5675, 5548..5676, 6210..6341, 6217..6312, 6389..6445, 6449..6553, 6457..6552		

Seq. No.	16520	Seq. ID	OJ991107_38.9C13.C8
Gene No.	34840	Strand	+
Start	523	End	8969
Name	OJ991107_38.9C13.C8.o1.tc	Method	TBLASTX:Cress
Start	5356	End	6490
GI	none	Score	140
Exons	5356..5466, 5361..5471, 5556..5675, 5557..5670, 6183..6302,		

6208..6303, 6404..6490

Seq. No.	16520	Seq. ID	OJ991107_38.9C13.C8
Gene No.	34840	Strand	+
Start	523	End	8969
Name	OJ991107_38.9C13.C8.o2.ts	Method	TBLASTX:Soybean
Start	8005	End	8380
GI	none	Score	207
Exons	8005..8202, 8006..8194, 8057..8203, 8300..8380, 8313..8378		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o1.gs	Method	GENSCAN
Start	53	End	7747
GI	none	Score	.88
Exons	53..208, 734..935, 1188..1401, 1489..1568, 1643..1760, 1837..2007, 2869..3037, 3149..3192, 3365..3407, 3488..3633, 5082..5176, 5324..6222, 7285..7563, 7652..7747		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o2.ts	Method	TBLASTX:Soybean
Start	848	End	1879
GI	none	Score	106
Exons	848..937, 848..943, 1186..1413, 1187..1402, 1486..1572, 1487..1576, 1612..1746, 1641..1760, 1642..1761, 1834..1878, 1835..1879		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o3.ts	Method	TBLASTX:Soybean
Start	1880	End	3573
GI	none	Score	89
Exons	1880..1999, 1880..2008, 1881..2006, 2873..3037, 2875..3039, 3147..3179, 3356..3427, 3357..3410, 3485..3556, 3487..3573		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o2.tm	Method	TBLASTX:Maize
Start	2933	End	5517
GI	none	Score	129
Exons	2933..3037, 2933..3037, 2935..3039, 3149..3190, 3355..3405, 3363..3410, 3363..3407, 3485..3634, 3485..3637, 5076..5177, 5079..5177, 5080..5178, 5319..5513, 5323..5517, 5323..5397, 5352..5516		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o1.ts	Method	TBLASTX:Soybean
Start	5353	End	6204
GI	none	Score	72
Exons	5353..5424, 5364..5423, 5469..5705, 5491..5721, 5689..5874,		

5699..6040, 5703..6200, 5704..6204

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o1.tm	Method	TBLASTX:Maize
Start	5655	End	7750
GI	none	Score	579
Exons	5655..6224, 5655..6224, 5656..6225, 5663..6226, 7277..7357, 7279..7350, 7282..7365, 7287..7364, 7365..7475, 7367..7402, 7377..7562, 7378..7566, 7510..7569, 7650..7748, 7651..7749, 7655..7750, 7670..7747		

Seq. No.	16521	Seq. ID	OJ991107_38.9C13.C9
Gene No.	34841	Strand	+
Start	53	End	7947
Name	OJ991107_38.9C13.C9.o1.gp	Method	AAT/GAP
Start	7280	End	7947
GI	none	Score	707
Exons	7280..7563, 7652..7756, 7926..7947		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34842	Strand	+
Start	198	End	2552
Name	OJ991107_38.9C13.C10.o1.gp	Method	AAT/GAP
Start	198	End	2451
GI	10871_2.R1084	Score	815
Exons	198..325, 1597..1678, 1885..2006, 2113..2205, 2360..2451		
GI Descrip.	'559330/dbj|BAA07526| 5.0e-14 (D38521) The ha0919 gene product is novel. [Homo sapiens]'		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34842	Strand	+
Start	198	End	2552
Name	OJ991107_38.9C13.C10.o1.gs	Method	GENSCAN
Start	751	End	2552
GI	none	Score	.88
Exons	751..823, 1885..2006, 2113..2205, 2360..2552		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34843	Strand	+
Start	14006	End	20612
Name	OJ991107_38.9C13.C10.o1.np	Method	AAT/NAP
Start	14006	End	19990
GI	4972079	Score	109
Exons	14006..14028, 16082..16112, 18385..18738, 19943..19990		
GI Descrip.	(AL078469) putative protein [Arabidopsis thaliana]		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34843	Strand	+
Start	14006	End	20612
Name	OJ991107_38.9C13.C10.o4.gs	Method	GENSCAN
Start	19417	End	20612
GI	none	Score	.81
Exons	19417..20319, 20346..20520, 20548..20612		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10

Gene No.	34844	Strand	-
Start	4673	End	16994
Name	OJ991107_38.9C13.C10.o1.tm	Method	TBLASTX:Maize
Start	132	End	335
GI	none	Score	269
Exons	132..335, 146..319, 204..335		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34844	Strand	-
Start	4673	End	16994
Name	OJ991107_38.9C13.C10.o1.ts	Method	TBLASTX:Soybean
Start	132	End	2642
GI	none	Score	216
Exons	132..326, 146..325, 1594..1683, 1595..1678, 1882..2004, 1884..1961, 2111..2239, 2116..2217, 2357..2512, 2358..2513, 2607..2642		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34844	Strand	-
Start	4673	End	16994
Name	OJ991107_38.9C13.C10.o2.tm	Method	TBLASTX:Maize
Start	1908	End	2653
GI	none	Score	123
Exons	1908..2006, 1912..2007, 2119..2202, 2131..2205, 2132..2212, 2133..2213, 2303..2332, 2357..2512, 2358..2513, 2360..2515, 2599..2649, 2603..2653, 2604..2648		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34844	Strand	-
Start	4673	End	16994
Name	OJ991107_38.9C13.C10.o2.gs	Method	GENSCAN
Start	4673	End	16994
GI	none	Score	.8
Exons	4673..5976, 10906..11085, 13447..13609, 16665..16796, 16911..16994		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34844	Strand	-
Start	4673	End	16994
Name	OJ991107_38.9C13.C10.o2.gp	Method	AAT/GAP
Start	9496	End	9932
GI	66825_1.R1084	Score	813
Exons	9496..9932		
GI Descrip.	'3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:'		

Seq. No.	16522	Seq. ID	OJ991107_38.9C13.C10
Gene No.	34845	Strand	
Start	18398	End	18732
Name	OJ991107_38.9C13.C10.o3.tm	Method	TBLASTX:Maize
Start	18398	End	18732
GI	none	Score	66
Exons	18398..18460, 18454..18561, 18559..18696, 18564..18692, 18700..18732, 18702..18728		

Seq. No.	16523	Seq. ID	OJ991107_38.9C13.C11
Gene No.	34846	Strand	+
Start	1534	End	1951
Name	OJ991107_38.9C13.C11.o1.gs	Method	GENSCAN
Start	1534	End	1951
GI	none	Score	.7
Exons	1534..1605, 1871..1951		

Seq. No.	16523	Seq. ID	OJ991107_38.9C13.C11
Gene No.	34847	Strand	+
Start	1870	End	2603
Name	OJ991107_38.9C13.C11.o1.np	Method	AAT/NAP
Start	1870	End	2603
GI	6815062	Score	676
Exons	1870..2603		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	16523	Seq. ID	OJ991107_38.9C13.C11
Gene No.	34847	Strand	+
Start	1870	End	2603
Name	OJ991107_38.9C13.C11.o1.tm	Method	TBLASTX:Maize
Start	1915	End	2344
GI	none	Score	71
Exons	1915..1986, 2101..2217, 2106..2192, 2213..2344, 2230..2334		

Seq. No.	16524	Seq. ID	OJ991107_38.9C13.C12
Gene No.	34848	Strand	+
Start	3567	End	4530
Name	OJ991107_38.9C13.C12.o2.gs	Method	GENSCAN
Start	3567	End	4530
GI	none	Score	.66
Exons	3567..3747, 3817..4057, 4338..4530		

Seq. No.	16525	Seq. ID	OJ991107_38.9C13.C13
Gene No.	34849	Strand	+
Start	660	End	762
Name	OJ991107_38.9C13.C13.o1.gs	Method	GENSCAN
Start	660	End	762
GI	none	Score	.57
Exons	660..762		

Seq. No.	16526	Seq. ID	OJ991107_38.9C13.C14
Gene No.	34850	Strand	+
Start	1	End	711
Name	OJ991107_38.9C13.C14.o1.np	Method	AAT/NAP
Start	1	End	711
GI	6227002	Score	370
Exons	1..90, 307..501, 584..711		
GI Descrip.	(AC009360) Contains a PF|00097 Zinc finger, C3HC4 type (RING finger) domain. ESTs gb|N96912 and gb|AI994359 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16526	Seq. ID	OJ991107_38.9C13.C14
Gene No.	34850	Strand	+

Start	1	End	711
Name	OJ991107_38.9C13.C14.o1.gp	Method	AAT/GAP
Start	587	End	711
GI	2427787	Score	246
Exons	587..711		
GI Descrip.	3877655/emb|CAA96657.1| 1.0e-22 (Z72511) possible zinc finger protein; cDNA EST EMBL:M89115 comes from this gene; cDNA EST EMBL:D71533 comes from this gene; cDNA EST EMBL:D72314 comes from this gene; cDNA EST EMBL:D75164 comes from this gene; cDNA EST EMBL:		

Seq. No.	16526	Seq. ID	OJ991107_38.9C13.C14
Gene No.	34851	Strand	-
Start	250	End	375
Name	OJ991107_38.9C13.C14.o1.gs	Method	GENSCAN
Start	250	End	375
GI	none	Score	.7
Exons	250..375		

Seq. No.	16526	Seq. ID	OJ991107_38.9C13.C14
Gene No.	34852	Strand	
Start	421	End	711
Name	OJ991107_38.9C13.C14.o1.ts	Method	TBLASTX:Soybean
Start	421	End	711
GI	none	Score	76
Exons	421..504, 422..478, 424..486, 584..709, 585..710, 586..711		

Seq. No.	16527	Seq. ID	OJ991117_11.9C22.C1
Gene No.	34853	Strand	+
Start	232	End	548
Name	OJ991117_11.9C22.C1.o1.gs	Method	GENSCAN
Start	232	End	548
GI	none	Score	.82
Exons	232..548		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34854	Strand	+
Start	1	End	1868
Name	OJ991117_11.9C22.C2.o1.np	Method	AAT/NAP
Start	1	End	1868
GI	1351999	Score	307
Exons	1..210, 238..392, 1059..1119, 1246..1336, 1803..1868		
GI Descrip.	HOMEOBOX PROTEIN ATH1 gi|685234|emb|CAA56426| (X80126) H1 [Arabidopsis thaliana] gi|3688179|emb|CAA21207| (AL031804) homeobox gene ATH1 [Arabidopsis thaliana]		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34854	Strand	+
Start	1	End	1868
Name	OJ991117_11.9C22.C2.o1.gs	Method	GENSCAN
Start	73	End	1358
GI	none	Score	.88
Exons	73..392, 680..719, 1059..1119, 1246..1358		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34855	Strand	+
Start	8345	End	9969

Name	OJ991117_11.9C22.C2.o3.gs	Method	GENSCAN
Start	8345	End	9969
GI	none	Score	.72
Exons	8345..8992, 9826..9969		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34856	Strand	-
Start	3307	End	3695
Name	OJ991117_11.9C22.C2.o2.gs	Method	GENSCAN
Start	3307	End	3695
GI	none	Score	.63
Exons	3307..3378, 3612..3695		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34857	Strand	-
Start	8390	End	8995
Name	OJ991117_11.9C22.C2.o2.np	Method	AAT/NAP
Start	8390	End	8995
GI	3413709	Score	527
Exons	8390..8995		
GI Descrip.	(AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34857	Strand	-
Start	8390	End	8995
Name	OJ991117_11.9C22.C2.o1.gp	Method	AAT/GAP
Start	8627	End	8991
GI	5004384	Score	718
Exons	8627..8991		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34858	Strand	-
Start	10861	End	10934
Name	OJ991117_11.9C22.C2.o2.tm	Method	TBLASTX:Maize
Start	1048	End	1344
GI	none	Score	73
Exons	1048..1125, 1057..1125, 1240..1344, 1243..1320, 1245..1343		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34858	Strand	-
Start	10861	End	10934
Name	OJ991117_11.9C22.C2.o1.ts	Method	TBLASTX:Soybean
Start	8429	End	8971
GI	none	Score	54
Exons	8429..8500, 8439..8495, 8570..8866, 8574..8855, 8912..8971		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34858	Strand	-
Start	10861	End	10934
Name	OJ991117_11.9C22.C2.o1.tc	Method	TBLASTX:Cress
Start	8591	End	8974
GI	none	Score	105
Exons	8591..8737, 8616..8738, 8742..8858, 8744..8866, 8906..8974		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34858	Strand	-
Start	10861	End	10934

Name	OJ991117_11.9C22.C2.o1.tm	Method	TBLASTX:Maize
Start	8633	End	9013
GI	none	Score	283
Exons	8633..8866, 8634..8867, 8909..9013, 8910..8933		

Seq. No.	16528	Seq. ID	OJ991117_11.9C22.C2
Gene No.	34858	Strand	-
Start	10861	End	10934
Name	OJ991117_11.9C22.C2.o4.gs	Method	GENSCAN
Start	10861	End	10934
GI	none	Score	.78
Exons	10861..10934		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34859	Strand	+
Start	721	End	1708
Name	OJ991117_11.9C22.C3.o1.gs	Method	GENSCAN
Start	721	End	1708
GI	none	Score	.49
Exons	721..798, 1320..1520, 1550..1708		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34860	Strand	+
Start	3521	End	9111
Name	OJ991117_11.9C22.C3.o1.np	Method	AAT/NAP
Start	3521	End	9111
GI	6069646	Score	603
Exons	3521..3541, 5352..5467, 7521..7855, 8139..9111		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34861	Strand	-
Start	10131	End	17828
Name	OJ991117_11.9C22.C3.o3.gs	Method	GENSCAN
Start	10131	End	15668
GI	none	Score	.83
Exons	10131..10240, 10405..10644, 10733..10796, 11017..11322, 11416..11588, 11801..12076, 12309..12378, 12490..13104, 13190..13260, 13352..13574, 14191..15277, 15289..15668		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34861	Strand	-
Start	10131	End	17828
Name	OJ991117_11.9C22.C3.o2.np	Method	AAT/NAP
Start	10134	End	17828
GI	2316016	Score	2048
Exons	10134..10240, 10405..10644, 10733..10796, 11017..11322, 11416..11630, 11801..12095, 12214..12378, 12490..13104, 13190..13276, 13359..13623, 14191..15647, 17800..17828		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-

Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o2.tm	Method	TBLASTX:Maize
Start	7617	End	8069
GI	none	Score	319
Exons	7617..8069		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o1.tw	Method	TBLASTX:Wheat
Start	7712	End	8135
GI	none	Score	238
Exons	7712..8011, 7716..8015, 8028..8135		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o7.tm	Method	TBLASTX:Maize
Start	8128	End	8409
GI	none	Score	180
Exons	8128..8307, 8130..8306, 8320..8409		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o3.tm	Method	TBLASTX:Maize
Start	8584	End	9012
GI	none	Score	281
Exons	8584..9012, 8640..8819		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o2.ts	Method	TBLASTX:Soybean
Start	10134	End	10802
GI	none	Score	218
Exons	10134..10205, 10200..10241, 10393..10587, 10394..10645, 10395..10613, 10418..10645, 10737..10802, 10741..10797		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o1.tc	Method	TBLASTX:Cress
Start	10147	End	15566
GI	none	Score	85
Exons	10147..10242, 10149..10241, 10395..10607, 10403..10645, 10451..10645, 11017..11325, 11018..11323, 11161..11292, 11410..11586, 11414..11551, 11937..12095, 12178..12381, 12475..12699, 12476..12553, 12688..12864, 12940..13104, 13187..13276, 13362..13541, 13366..13467, 13519..13575, 13530..13574, 13573..13635, 14192..14299, 14194..14388, 14419..14571, 14623..14910, 14971..15186, 15432..15566		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o1.tm	Method	TBLASTX:Maize

Start	10149	End	12381
GI	none	Score	122
Exons	10149..10241, 10397..10645, 10401..10613, 10403..10648, 10737..10802, 11017..11325, 11018..11302, 11410..11553, 11414..11551, 11797..12096, 11874..12101, 12214..12381		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o2.tw	Method	TBLASTX:Wheat
Start	10469	End	13505
GI	none	Score	75
Exons	10469..10645, 10473..10613, 11017..11172, 13365..13505		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o1.ts	Method	TBLASTX:Soybean
Start	11011	End	11553
GI	none	Score	252
Exons	11011..11325, 11018..11308, 11410..11553, 11414..11551		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o3.ts	Method	TBLASTX:Soybean
Start	11796	End	12687
GI	none	Score	74
Exons	11796..12038, 11803..12084, 11874..12101, 12214..12381, 12242..12376, 12482..12550, 12487..12687		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o4.tm	Method	TBLASTX:Maize
Start	12500	End	12673
GI	none	Score	208
Exons	12500..12673, 12500..12664, 12502..12672		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o4.ts	Method	TBLASTX:Soybean
Start	13185	End	13611
GI	none	Score	67
Exons	13185..13277, 13187..13276, 13362..13541, 13363..13467, 13573..13611		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o5.tm	Method	TBLASTX:Maize
Start	13362	End	13541
GI	none	Score	82
Exons	13362..13541, 13363..13467		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3

Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o6.ts	Method	TBLASTX:Soybean
Start	14188	End	14571
GI	none	Score	101
Exons	14188..14385, 14189..14284, 14419..14571		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o5.ts	Method	TBLASTX:Soybean
Start	14623	End	15018
GI	none	Score	58
Exons	14623..14907, 14965..15018		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o6.tm	Method	TBLASTX:Maize
Start	14719	End	15120
GI	none	Score	81
Exons	14719..15120, 14743..14868, 14744..15010		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o4.gs	Method	GENSCAN
Start	17837	End	25328
GI	none	Score	.5
Exons	17837..17897, 22538..22674, 22758..22856, 22954..23026, 23110..23210, 23374..23488, 23937..24233, 24640..24709, 24869..25213, 25215..25328		

Seq. No.	16529	Seq. ID	OJ991117_11.9C22.C3
Gene No.	34862	Strand	-
Start	17837	End	25328
Name	OJ991117_11.9C22.C3.o4.np	Method	AAT/NAP
Start	22049	End	23263
GI	5852182	Score	103
Exons	22049..22161, 23074..23263		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34863	Strand	+
Start	4517	End	14066
Name	OJ991117_11.9C22.C4.o2.gs	Method	GENSCAN
Start	4517	End	12893
GI	none	Score	.52
Exons	4517..4535, 5737..5989, 7206..7590, 7637..8028, 8034..8254, 8260..8366, 8794..8875, 10605..10722, 10810..10825, 10992..12311, 12680..12893		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34863	Strand	+
Start	4517	End	14066
Name	OJ991117_11.9C22.C4.o2.np	Method	AAT/NAP
Start	6971	End	8895

GI	6907087	Score	1552
Exons	6971..7353, 7562..8254, 8794..8895		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34863	Strand	+
Start	4517	End	14066
Name	OJ991117_11.9C22.C4.o2.gp	Method	AAT/GAP
Start	9356	End	9737
GI	uC-osflcyp033a04b1	Score	655
Exons	9356..9737		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34863	Strand	+
Start	4517	End	14066
Name	OJ991117_11.9C22.C4.o4.np	Method	AAT/NAP
Start	10971	End	12230
GI	4680179	Score	590
Exons	10971..11828, 11997..12230		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34863	Strand	+
Start	4517	End	14066
Name	OJ991117_11.9C22.C4.o5.np	Method	AAT/NAP
Start	12173	End	14066
GI	130582	Score	38
Exons	12173..12272, 14050..14066		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34864	Strand	-
Start	14	End	3920
Name	OJ991117_11.9C22.C4.o1.gp	Method	AAT/GAP
Start	14	End	3916
GI	342_1.R1084	Score	6141
Exons	14..3916		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34864	Strand	-
Start	14	End	3920
Name	OJ991117_11.9C22.C4.o1.gs	Method	GENSCAN
Start	731	End	3731
GI	none	Score	.53
Exons	731..2744, 2833..3731		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34864	Strand	-

Start	14	End	3920
Name	OJ991117_11.9C22.C4.o1.np	Method	AAT/NAP
Start	752	End	3920
GI	4680203	Score	2815
Exons	752..1729, 2006..2236, 2390..3920		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o1.tw	Method	TBLASTX:Wheat
Start	812	End	2123
GI	none	Score	136
Exons	812..898, 887..967, 980..1120, 981..1121, 1068..1163, 1100..1159, 1166..1189, 1166..1210, 1171..1212, 1199..1537, 1220..2122, 1236..2123		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o1.tc	Method	TBLASTX:Cress
Start	1388	End	1835
GI	none	Score	93
Exons	1388..1537, 1388..1831, 1392..1835, 1398..1835		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o1.tm	Method	TBLASTX:Maize
Start	1766	End	2080
GI	none	Score	107
Exons	1766..2080, 1794..2069		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o2.tw	Method	TBLASTX:Wheat
Start	2124	End	2534
GI	none	Score	71
Exons	2124..2210, 2126..2209, 2243..2485, 2283..2465, 2477..2533, 2484..2534		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o2.ts	Method	TBLASTX:Soybean
Start	2567	End	2809
GI	none	Score	89
Exons	2567..2809, 2625..2804		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o6.tw	Method	TBLASTX:Wheat
Start	2673	End	2847
GI	none	Score	138
Exons	2673..2846, 2673..2792, 2677..2847, 2678..2845		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o2.tc	Method	TBLASTX:Cress
Start	2844	End	3135
GI	none	Score	71
Exons	2844..3128, 2848..2934, 2983..3135		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o3.tm	Method	TBLASTX:Maize
Start	2847	End	3128
GI	none	Score	82
Exons	2847..2984, 2847..3023, 2848..3000, 3039..3128		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o5.tw	Method	TBLASTX:Wheat
Start	2847	End	3000
GI	none	Score	152
Exons	2847..2999, 2847..2999, 2848..3000		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o1.ts	Method	TBLASTX:Soybean
Start	2868	End	3297
GI	none	Score	111
Exons	2868..3164, 2886..3110, 3214..3297, 3222..3296		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o3.tw	Method	TBLASTX:Wheat
Start	3213	End	3614
GI	none	Score	139
Exons	3213..3470, 3218..3460, 3226..3468, 3228..3479, 3229..3471, 3476..3595, 3477..3614		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34865	Strand	-
Start	9285	End	11233
Name	OJ991117_11.9C22.C4.o3.np	Method	AAT/NAP
Start	9285	End	11233
GI	4680186	Score	245
Exons	9285..9514, 9641..9725, 11209..11233		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34866	Strand	
Start	11214	End	11753
Name	OJ991117_11.9C22.C4.o4.tw	Method	TBLASTX:Wheat
Start	11214	End	11573
GI	none	Score	274

Exons	11214..11573, 11216..11569, 11283..11573		
Seq. No.	16530	Seq. ID	OJ991117_11.9C22.C4
Gene No.	34866	Strand	
Start	11214	End	11753
Name	OJ991117_11.9C22.C4.o2.tm	Method	TBLASTX:Maize
Start	11454	End	11753
GI	none	Score	224
Exons	11454..11753, 11468..11557		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34867	Strand	+
Start	181	End	3796
Name	OJ991117_11.9C22.C5.o1.gs	Method	GENSCAN
Start	181	End	608
GI	none	Score	.74
Exons	181..307, 313..608		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34867	Strand	+
Start	181	End	3796
Name	OJ991117_11.9C22.C5.o1.np	Method	AAT/NAP
Start	194	End	3796
GI	5091513	Score	1346
Exons	194..708, 1542..2430, 3216..3425, 3578..3796		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34867	Strand	+
Start	181	End	3796
Name	OJ991117_11.9C22.C5.o2.gs	Method	GENSCAN
Start	1483	End	3519
GI	none	Score	.86
Exons	1483..1745, 1768..2302, 2319..2571, 3308..3519		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34868	Strand	+
Start	8145	End	8646
Name	OJ991117_11.9C22.C5.o1.gp	Method	AAT/GAP
Start	8145	End	8646
GI	none	Score	939
Exons	8145..8646		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34869	Strand	-
Start	5939	End	6458
Name	OJ991117_11.9C22.C5.o3.gs	Method	GENSCAN
Start	5939	End	6458
GI	none	Score	.81
Exons	5939..6082, 6093..6209, 6348..6458		
Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o2.tm	Method	TBLASTX:Maize
Start	8666	End	13131
GI	none	Score	147

Exons	8666..8755, 8671..8751, 8835..8915, 8836..8931, 8840..8944, 8861..8932, 9091..9150, 9095..9166, 9291..9332, 9377..9469, 9380..9454, 9382..9468, 9502..9732, 9539..9733, 9541..9738, 9885..10016, 9907..10017, 10516..10578, 10516..10578, 10523..10582, 10689..10739, 10690..10740, 10738..10791, 10741..10788, 10974..10988, 11069..11194, 11078..11203, 11103..11204, 11369..11449, 11370..11450, 11370..11447, 11371..11448, 12637..12708, 12641..12742, 12641..12742, 12868..12927, 12869..12958, 13028..13123, 13031..13120, 13041..13127, 13048..13131		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o4.gs	Method	GENSCAN
Start	8672	End	14742
GI	none	Score	.76
Exons	8672..8752, 8839..8931, 9541..9729, 10522..10575, 11103..11191, 11656..11712, 12567..12711, 12876..12959, 13966..14040, 14159..14234, 14316..14377, 14496..14568, 14684..14742		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o2.np	Method	AAT/NAP
Start	8675	End	15555
GI	4191789	Score	1389
Exons	8675..8755, 8845..8931, 9104..9148, 9382..9459, 9541..9741, 9921..10016, 10522..10575, 10695..10791, 11103..11191, 11392..11448, 12643..12711, 12876..12959, 13050..13121, 13966..14040, 14159..14234, 14316..14377, 14496..14526, 14645..14742, 15517..15555		
GI Descrip.	(AC005917) putative potassium/proton antiporter [Arabidopsis thaliana]		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o2.gp	Method	AAT/GAP
Start	9534	End	11147
GI	20474_1.R1084	Score	838
Exons	9534..9729, 9921..10016, 10522..10575, 10695..10791, 11103..11147		
GI Descrip.	'4191789 4.0e-62 (AC005917) putative transmembrane transport protein [Arabidopsis thaliana]'		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o1.tc	Method	TBLASTX:Cress
Start	9538	End	10578
GI	none	Score	142
Exons	9538..9732, 9553..9738, 9885..10016, 9907..10017, 10516..10578		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555

Name	OJ991117_11.9C22.C5.o1.ts	Method	TBLASTX:Soybean
Start	9541	End	10742
GI	none	Score	161
Exons	9541..9732, 9599..9733, 9885..10016, 9907..10017, 10516..10578, 10522..10581, 10680..10742, 10689..10742		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o2.ts	Method	TBLASTX:Soybean
Start	13041	End	14525
GI	none	Score	85
Exons	13041..13127, 13048..13122, 13053..13124, 13963..14040, 13964..14041, 14154..14240, 14156..14236, 14309..14395, 14316..14381, 14496..14525		

Seq. No.	16531	Seq. ID	OJ991117_11.9C22.C5
Gene No.	34870	Strand	-
Start	8672	End	15555
Name	OJ991117_11.9C22.C5.o1.tm	Method	TBLASTX:Maize
Start	13963	End	14706
GI	none	Score	129
Exons	13963..14040, 13964..14041, 14154..14240, 14156..14242, 14156..14236, 14309..14395, 14314..14379, 14316..14381, 14490..14558, 14494..14571, 14494..14568, 14496..14570, 14683..14706		

Seq. No.	16532	Seq. ID	OJ991117_11.9C22.C6
Gene No.	34871	Strand	+
Start	1	End	3415
Name	OJ991117_11.9C22.C6.o1.np	Method	AAT/NAP
Start	1	End	3415
GI	2274845	Score	101
Exons	1..67, 3076..3415		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		

Seq. No.	16532	Seq. ID	OJ991117_11.9C22.C6
Gene No.	34872	Strand	-
Start	26	End	145
Name	OJ991117_11.9C22.C6.o1.gs	Method	GENSCAN
Start	26	End	145
GI	none	Score	.86
Exons	26..145		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34873	Strand	+
Start	2661	End	5323
Name	OJ991117_11.9C22.C7.o2.np	Method	AAT/NAP
Start	2661	End	5323
GI	6899645	Score	373
Exons	2661..2720, 4374..4938, 5275..5323		
GI Descrip.	(AC012189) Contains similarity to serine-type carboxypeptidase like protein from Arabidopsis thaliana gi|4678929 and contains two Serine carboxypeptidase domains PF|00450.		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34873	Strand	+

Start	2661	End	5323
Name	OJ991117_11.9C22.C7.o1.np	Method	AAT/NAP
Start	2889	End	4197
GI	5777617	Score	79
Exons	2889..2926, 4092..4197		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34874	Strand	+
Start	5575	End	5878
Name	OJ991117_11.9C22.C7.o2.gs	Method	GENSCAN
Start	5575	End	5878
GI	none	Score	.68
Exons	5575..5731, 5793..5878		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34875	Strand	-
Start	4860	End	5292
Name	OJ991117_11.9C22.C7.o1.gp	Method	AAT/GAP
Start	4860	End	5292
GI	36924_1.R1084	Score	635
Exons	4860..5292		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o1.tm	Method	TBLASTX:Maize
Start	4600	End	4981
GI	none	Score	74
Exons	4600..4674, 4601..4675, 4639..4800, 4650..4799, 4664..4801, 4687..4950, 4793..4951, 4793..4981		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o2.tc	Method	TBLASTX:Cress
Start	4679	End	4939
GI	none	Score	121
Exons	4679..4789, 4681..4785, 4798..4938, 4802..4939		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o2.gp	Method	AAT/GAP
Start	6335	End	8353
GI	22006_1.R1084	Score	1374
Exons	6335..6555, 6658..6739, 6821..6899, 6998..7067, 7200..7322, 7439..7491, 7615..7674, 8263..8353		
GI Descrip.	'2935529 4.0e-93 (AF049069) No definition line found [Pinus radiata]'		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263

Name	OJ991117_11.9C22.C7.o1.ts	Method	TBLASTX:Soybean
Start	6508	End	9854
GI	none	Score	40
Exons	6508..6558, 6658..6741, 6659..6706, 6690..6740, 6820..6885, 6823..6900, 6869..6901, 6999..7067, 7000..7068, 7000..7080, 7197..7325, 7198..7323, 7203..7325, 7424..7537, 7428..7493, 7613..7696, 7614..7676, 8264..8467, 8265..8468, 8599..8676, 9669..9854		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o1.tc	Method	TBLASTX:Cress
Start	6529	End	9869
GI	none	Score	115
Exons	6529..6558, 6658..6741, 6823..6867, 7197..7325, 7198..7323, 7424..7492, 7613..7696, 8253..8468, 8264..8467, 8597..8692, 8599..8685, 9783..9869		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o3.gs	Method	GENSCAN
Start	6529	End	10252
GI	none	Score	.93
Exons	6529..6555, 6658..6739, 6821..6899, 6998..7067, 7200..7322, 7439..7491, 7615..7674, 8263..8467, 8602..8683, 9784..9898, 10155..10252		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o4.tm	Method	TBLASTX:Maize
Start	6529	End	6899
GI	none	Score	86
Exons	6529..6558, 6649..6735, 6658..6741, 6672..6740, 6672..6743, 6817..6870, 6821..6862, 6823..6867, 6868..6894, 6869..6895, 6876..6899		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o3.np	Method	AAT/NAP
Start	6532	End	10072
GI	4539422	Score	883
Exons	6532..6555, 6658..6739, 6821..6899, 6998..7067, 7200..7322, 7439..7491, 7615..7674, 8263..8467, 8602..8683, 9784..9870, 9984..10072		
GI Descrip.	(AL049171) putative protein [Arabidopsis thaliana]		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o3.tm	Method	TBLASTX:Maize
Start	6999	End	7676
GI	none	Score	87
Exons	6999..7067, 7000..7068, 7197..7325, 7198..7323, 7199..7324,		

7424..7492, 7428..7493, 7613..7675, 7614..7676

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o1.tw	Method	TBLASTX:Wheat
Start	7012	End	7675
GI	none	Score	75
Exons	7012..7068, 7012..7080, 7197..7340, 7199..7306, 7424..7489, 7428..7490, 7439..7492, 7610..7675, 7616..7675		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o2.tm	Method	TBLASTX:Maize
Start	8262	End	9899
GI	none	Score	88
Exons	8262..8312, 8263..8319, 8264..8467, 8265..8468, 8596..8685, 8600..8692, 9783..9863, 9783..9863, 9864..9899		

Seq. No.	16533	Seq. ID	OJ991117_11.9C22.C7
Gene No.	34876	Strand	-
Start	6335	End	10263
Name	OJ991117_11.9C22.C7.o3.gp	Method	AAT/GAP
Start	8404	End	10263
GI	16779_1.R1084	Score	855
Exons	8404..8467, 8602..8683, 9784..9898, 10042..10263		
GI Descrip.	'4539422/emb|CAB38955.1| 1.0e-22 (AL049171) putative protein [Arabidopsis thaliana]'		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34877	Strand	+
Start	1	End	5853
Name	OJ991117_11.9C22.C8.o1.np	Method	AAT/NAP
Start	1	End	3512
GI	4680179	Score	4939
Exons	1..3512		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34877	Strand	+
Start	1	End	5853
Name	OJ991117_11.9C22.C8.o2.np	Method	AAT/NAP
Start	1	End	5853
GI	6063554	Score	177
Exons	1..28, 4281..4521, 5679..5853		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34878	Strand	+
Start	7028	End	7819
Name	OJ991117_11.9C22.C8.o3.np	Method	AAT/NAP
Start	7028	End	7819
GI	4512231	Score	1258
Exons	7028..7819		

GI Descrip. (AB014741) ORF0 protein [Oryza sativa]

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34879	Strand	+
Start	8068	End	9239
Name	OJ991117_11.9C22.C8.o4.np	Method	AAT/NAP
Start	8068	End	9239
GI	4680179	Score	936
Exons	8068..9239		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o8.tw	Method	TBLASTX:Wheat
Start	189	End	542
GI	none	Score	255
Exons	189..542		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o7.tm	Method	TBLASTX:Maize
Start	546	End	739
GI	none	Score	188
Exons	546..737, 584..739		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o4.tw	Method	TBLASTX:Wheat
Start	674	End	1157
GI	none	Score	535
Exons	674..1114, 675..1157, 678..1154		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o4.ts	Method	TBLASTX:Soybean
Start	711	End	1025
GI	none	Score	198
Exons	711..1025		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o4.tm	Method	TBLASTX:Maize
Start	740	End	1187
GI	none	Score	373
Exons	740..1177, 744..1187		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o1.ts	Method	TBLASTX:Soybean
Start	1098	End	1493
GI	none	Score	57

Exons 1098..1130, 1098..1130, 1134..1187, 1136..1177, 1242..1493, 1250..1483

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o5.tm	Method	TBLASTX:Maize
Start	1242	End	1574
GI	none	Score	306
Exons	1242..1574, 1295..1573		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o5.tw	Method	TBLASTX:Wheat
Start	1245	End	1508
GI	none	Score	373
Exons	1245..1508, 1247..1507		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o3.tw	Method	TBLASTX:Wheat
Start	1509	End	1934
GI	none	Score	603
Exons	1509..1934, 1511..1927		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o3.ts	Method	TBLASTX:Soybean
Start	1518	End	1763
GI	none	Score	204
Exons	1518..1763		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o2.tm	Method	TBLASTX:Maize
Start	1581	End	1934
GI	none	Score	463
Exons	1581..1934, 1586..1927		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o2.tw	Method	TBLASTX:Wheat
Start	1962	End	2502
GI	none	Score	633
Exons	1962..2501, 2144..2497, 2221..2502		

Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o1.tc	Method	TBLASTX:Cress
Start	2199	End	2525
GI	none	Score	90

Exons	2199..2381, 2382..2525, 2384..2524		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o2.ts	Method	TBLASTX:Soybean
Start	2289	End	2549
GI	none	Score	301
Exons	2289..2549, 2300..2548		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o3.tm	Method	TBLASTX:Maize
Start	2348	End	2639
GI	none	Score	411
Exons	2348..2635, 2349..2639		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o1.tw	Method	TBLASTX:Wheat
Start	2508	End	3134
GI	none	Score	723
Exons	2508..3134, 2511..2537, 2567..3013, 3074..3133		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o1.tm	Method	TBLASTX:Maize
Start	2687	End	3272
GI	none	Score	229
Exons	2687..2842, 2688..2849, 2702..2851, 2846..3010, 2847..3272, 3074..3271		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o6.tw	Method	TBLASTX:Wheat
Start	3134	End	3467
GI	none	Score	310
Exons	3134..3415, 3135..3467		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34880	Strand	-
Start	3948	End	4586
Name	OJ991117_11.9C22.C8.o2.gs	Method	GENSCAN
Start	3948	End	4586
GI	none	Score	.81
Exons	3948..4586		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34881	Strand	
Start	8261	End	8459
Name	OJ991117_11.9C22.C8.o9.tw	Method	TBLASTX:Wheat
Start	8261	End	8459
GI	none	Score	215

Exons	8261..8458, 8262..8459		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34882	Strand	
Start	8511	End	8861
Name	OJ991117_11.9C22.C8.o6.tm	Method	TBLASTX:Maize
Start	8511	End	8816
GI	none	Score	242
Exons	8511..8816		
Seq. No.	16534	Seq. ID	OJ991117_11.9C22.C8
Gene No.	34882	Strand	
Start	8511	End	8861
Name	OJ991117_11.9C22.C8.o7.tw	Method	TBLASTX:Wheat
Start	8511	End	8861
GI	none	Score	308
Exons	8511..8861		
Seq. No.	16535	Seq. ID	OJ991117_11.9C22.C9
Gene No.	34883	Strand	+
Start	574	End	4243
Name	OJ991117_11.9C22.C9.o1.gs	Method	GENSCAN
Start	574	End	4243
GI	none	Score	.96
Exons	574..663, 1365..1469, 1596..3156, 3246..4243		
Seq. No.	16535	Seq. ID	OJ991117_11.9C22.C9
Gene No.	34883	Strand	+
Start	574	End	4243
Name	OJ991117_11.9C22.C9.o1.np	Method	AAT/NAP
Start	1743	End	4240
GI	4063770	Score	1274
Exons	1743..3156, 3246..4240		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		
Seq. No.	16535	Seq. ID	OJ991117_11.9C22.C9
Gene No.	34884	Strand	-
Start	9402	End	9746
Name	OJ991117_11.9C22.C9.o1.tm	Method	TBLASTX:Maize
Start	2672	End	2942
GI	none	Score	336
Exons	2672..2797, 2673..2942, 2682..2942		
Seq. No.	16535	Seq. ID	OJ991117_11.9C22.C9
Gene No.	34884	Strand	-
Start	9402	End	9746
Name	OJ991117_11.9C22.C9.o2.tm	Method	TBLASTX:Maize
Start	3764	End	4192
GI	none	Score	155
Exons	3764..3988, 3897..4112, 3976..4182, 3977..4186, 4045..4188, 4046..4192		
Seq. No.	16535	Seq. ID	OJ991117_11.9C22.C9
Gene No.	34884	Strand	-
Start	9402	End	9746
Name	OJ991117_11.9C22.C9.o2.gs	Method	GENSCAN
Start	9402	End	9746

GI	none	Score	.9
Exons	9402..9517, 9626..9746		

Seq. No.	16536	Seq. ID	OJ991117_11.9C22.C10
Gene No.	34885	Strand	-
Start	2264	End	2414
Name	OJ991117_11.9C22.C10.o1.gs	Method	GENSCAN
Start	2264	End	2414
GI	none	Score	.77
Exons	2264..2414		

Seq. No.	16537	Seq. ID	OJ991117_09.9C17.C1
Gene No.	34886	Strand	+
Start	37	End	540
Name	OJ991117_09.9C17.C1.o1.gp	Method	AAT/GAP
Start	37	End	540
GI	38782_1.R1084	Score	800
Exons	37..540		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	16537	Seq. ID	OJ991117_09.9C17.C1
Gene No.	34886	Strand	+
Start	37	End	540
Name	OJ991117_09.9C17.C1.o1.gs	Method	GENSCAN
Start	175	End	248
GI	none	Score	1
Exons	175..248		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34887	Strand	+
Start	465	End	1253
Name	OJ991117_09.9C17.C2.o1.gs	Method	GENSCAN
Start	465	End	1253
GI	none	Score	.76
Exons	465..553, 629..776, 918..1253		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34888	Strand	-
Start	1962	End	4079
Name	OJ991117_09.9C17.C2.o2.gs	Method	GENSCAN
Start	1962	End	3966
GI	none	Score	.84
Exons	1962..2020, 2100..2354, 2484..3776, 3894..3966		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34888	Strand	-
Start	1962	End	4079
Name	OJ991117_09.9C17.C2.o2.np	Method	AAT/NAP
Start	2089	End	4079
GI	4455206	Score	900
Exons	2089..2363, 2715..2972, 3036..3762, 4008..4079		
GI Descrip.	(AL035440) putative beta-1, 3-glucanase [Arabidopsis thaliana]		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34888	Strand	-
Start	1962	End	4079

Name	OJ991117_09.9C17.C2.o1.gp	Method	AAT/GAP
Start	2260	End	2814
GI	83489_1.R1084	Score	821
Exons	2260..2354, 2484..2814		
GI Descrip.	'4558591/gb|AAD22663.1|AC006555_1 1.0e-25 (AC006555) putative beta-1,3-glucanase [Arabidopsis thaliana] >gi_4662638_gb_AAD26909.1_AC007233_1 (AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34888	Strand	-
Start	1962	End	4079
Name	OJ991117_09.9C17.C2.o2.gp	Method	AAT/GAP
Start	3378	End	4007
GI	431_1.R1084	Score	824
Exons	3378..3773, 3894..4007		
GI Descrip.	'2160314/dbj|BAA18905| 3.0e-50 (D25236) possible 1-3,1-4-beta-glucanase coding sequence [Oryza sativa]'		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	413	End	19706
GI	none	Score	136
Exons	413..496, 414..551, 417..548, 633..734, 641..733, 990..1127, 1001..1126, 7309..7536, 7344..7553, 7698..7856, 7726..7827, 7943..8125, 7954..8163, 8287..8499, 8363..8497, 8581..8643, 8584..8655, 9594..9662, 9855..10094, 10050..10157, 12907..13056, 12908..13033, 13275..13376, 13276..13368, 13469..13705, 13524..13667, 13908..14066, 13912..14016, 14218..14289, 14223..14333, 14450..14491, 14818..14883, 19419..19706		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o2.ts	Method	TBLASTX:Soybean
Start	413	End	13705
GI	none	Score	128
Exons	413..496, 414..551, 629..748, 630..770, 951..1106, 995..1087, 7392..7514, 7402..7500, 7704..7832, 7720..7833, 7943..8122, 7951..8163, 12928..13053, 12956..13057, 13275..13379, 13469..13705, 13524..13700		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	414	End	13642
GI	none	Score	138
Exons	414..554, 629..742, 630..734, 7711..7833, 7713..7832, 7926..8087, 7927..8094, 7928..8074, 7940..8101, 7954..8100, 13275..13379, 13276..13380, 13466..13642, 13524..13640		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706

Name	OJ991117_09.9C17.C2.o2.tm	Method	TBLASTX:Maize
Start	414	End	13627
GI	none	Score	192
Exons	414..551, 414..554, 416..553, 629..778, 630..779, 918..992, 987..1013, 7728..7832, 7735..7833, 7957..8085, 7970..8086, 13019..13033, 13042..13116, 13257..13379, 13267..13380, 13273..13377, 13275..13379, 13466..13627, 13467..13619, 13469..13627		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o5.tm	Method	TBLASTX:Maize
Start	1013	End	13038
GI	none	Score	118
Exons	1013..1126, 1014..1127, 7341..7562, 7342..7491, 12904..13038		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o2.tw	Method	TBLASTX:Wheat
Start	2098	End	2743
GI	none	Score	109
Exons	2098..2205, 2102..2206, 2170..2355, 2172..2345, 2291..2356, 2484..2570, 2494..2571, 2500..2592, 2555..2593, 2557..2742, 2558..2743		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o4.ts	Method	TBLASTX:Soybean
Start	2098	End	2733
GI	none	Score	61
Exons	2098..2331, 2099..2239, 2509..2733		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o4.tm	Method	TBLASTX:Maize
Start	2098	End	2691
GI	none	Score	65
Exons	2098..2160, 2099..2161, 2119..2373, 2120..2350, 2124..2372, 2134..2373, 2494..2553, 2509..2685, 2512..2691, 2552..2689		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o2.tc	Method	TBLASTX:Cress
Start	2122	End	3929
GI	none	Score	66
Exons	2122..2253, 2227..2331, 2506..2640, 2653..2718, 2746..2865, 2747..2845, 3040..3387, 3227..3388, 3397..3462, 3478..3771, 3867..3929		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706

Name	OJ991117_09.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	2693	End	3792
GI	none	Score	80
Exons	2693..2872, 2740..2868, 2884..2943, 3079..3297, 3112..3294, 3298..3792, 3302..3778		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	2758	End	3780
GI	none	Score	199
Exons	2758..2871, 2881..2982, 3040..3780, 3134..3517, 3415..3549, 3569..3775		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.tw	Method	TBLASTX:Wheat
Start	3373	End	19619
GI	none	Score	42
Exons	3373..3459, 3377..3445, 3476..3763, 3478..3759, 19572..19619		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.gs	Method	GENSCAN
Start	5178	End	10238
GI	none	Score	.89
Exons	5178..5239, 5454..5655, 6095..6266, 6416..6505, 7303..7565, 7680..7833, 7925..8162, 8286..8496, 8581..8720, 9398..10238		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.np	Method	AAT/NAP
Start	7249	End	15971
GI	3021270	Score	1051
Exons	7249..7565, 7680..7833, 7925..8162, 8286..8496, 8581..8699, 9335..9816, 15143..15494, 15905..15971		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.gp	Method	AAT/GAP
Start	7770	End	8639
GI	LIB3434-015-P1-K1-E8	Score	1048
Exons	7770..7833, 7925..8162, 8286..8496, 8581..8639		
GI Descrip.	'322652/pir||JQ1677 9.0e-22 S-receptor kinase (EC 2.7.1.-) precursor - rape >gi_167181 (M97667) serine/threonine kinase receptor [Brassica napus]'		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706

Name	OJ991117_09.9C17.C2.o4.tw	Method	TBLASTX:Wheat
Start	8101	End	14117
GI	none	Score	76
Exons	8101..8163, 8287..8499, 8363..8497, 13858..14058, 13908..14057, 14073..14117		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.tm	Method	TBLASTX:Maize
Start	8287	End	14276
GI	none	Score	106
Exons	8287..8499, 8363..8497, 8584..8634, 13886..14017, 13908..14066, 13912..14064, 14073..14117, 14218..14274, 14223..14276		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o3.ts	Method	TBLASTX:Soybean
Start	8287	End	14369
GI	none	Score	107
Exons	8287..8514, 8363..8497, 8580..8618, 8584..8661, 13908..14039, 13908..14057, 13909..14058, 14065..14115, 14073..14117, 14223..14369		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o5.ts	Method	TBLASTX:Soybean
Start	9576	End	19622
GI	none	Score	67
Exons	9576..9788, 9867..10031, 14821..14880, 14822..14884, 15178..15240, 15292..15363, 15373..15468, 19191..19367, 19419..19535, 19497..19622		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o4.gp	Method	AAT/GAP
Start	9961	End	10318
GI	700286	Score	619
Exons	9961..10318		

Seq. No.	16538	Seq. ID	OJ991117_09.9C17.C2
Gene No.	34889	Strand	-
Start	5178	End	19706
Name	OJ991117_09.9C17.C2.o4.gs	Method	GENSCAN
Start	11766	End	15546
GI	none	Score	.63
Exons	11766..11868, 12164..12242, 12903..13116, 13242..13380, 13467..13704, 13907..14114, 14223..14344, 14424..14549, 14634..15052, 15122..15546		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34890	Strand	+
Start	1	End	9281
Name	OJ991117_09.9C17.C3.o1.np	Method	AAT/NAP

Start	1	End	9257
GI	6686398	Score	1141
Exons	1..249, 349..586, 683..833, 937..1146, 1340..1524, 2793..2972, 3101..3176, 3286..3608, 6204..6509, 6840..7018, 7347..7721, 7815..8025, 8357..8594, 8686..8833, 8949..9257		
GI Descrip.	(AC007234) F1E22.15 [Arabidopsis thaliana]		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34890	Strand	+
Start	1	End	9281
Name	OJ991117_09.9C17.C3.o1.gs	Method	GENSCAN
Start	63	End	1227
GI	none	Score	.98
Exons	63..249, 349..586, 683..833, 937..1227		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34890	Strand	+
Start	1	End	9281
Name	OJ991117_09.9C17.C3.o2.gs	Method	GENSCAN
Start	2045	End	3578
GI	none	Score	.92
Exons	2045..2114, 2773..3050, 3132..3578		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34890	Strand	+
Start	1	End	9281
Name	OJ991117_09.9C17.C3.o3.gs	Method	GENSCAN
Start	6159	End	9281
GI	none	Score	.83
Exons	6159..6604, 6718..7139, 7394..7519, 7600..7721, 7815..8025, 8357..8594, 8686..8833, 8949..9072, 9169..9281		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34891	Strand	+
Start	11099	End	11358
Name	OJ991117_09.9C17.C3.o1.gp	Method	AAT/GAP
Start	11099	End	11358
GI	LIB3431-010-P1-N1-F11	Score	453
Exons	11099..11358		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	36	End	9290
GI	none	Score	241
Exons	36..155, 38..238, 39..248, 348..584, 372..557, 389..583, 683..829, 684..830, 940..1155, 960..1079, 7611..7721, 7812..8024, 7814..8023, 8350..8592, 8397..8537, 8686..8778, 8687..8797, 9009..9158, 9032..9082, 9240..9290		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o1.tc	Method	TBLASTX:Cress

Start	38	End	9158
GI	none	Score	212
Exons	38..247, 39..248, 348..584, 372..560, 386..583, 687..815, 689..790, 949..1155, 966..1082, 6890..6952, 7611..7721, 7637..7726, 7812..8024, 7814..8011, 8344..8592, 8394..8537, 8690..8794, 9009..9158, 9032..9157		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o2.tw	Method	TBLASTX:Wheat
Start	38	End	8418
GI	none	Score	219
Exons	38..244, 39..248, 348..410, 7812..8024, 7812..8012, 7814..8029, 8344..8418		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	38	End	9110
GI	none	Score	207
Exons	38..244, 39..248, 187..273, 369..584, 369..584, 374..586, 386..586, 682..747, 683..790, 684..827, 940..1107, 7631..7735, 7632..7721, 7812..8024, 7812..8012, 7814..8023, 8376..8537, 8377..8592, 8686..8778, 8687..8791, 9009..9110		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	411	End	8794
GI	none	Score	219
Exons	411..584, 413..583, 417..584, 683..790, 684..827, 684..824, 8419..8595, 8421..8537, 8686..8778, 8687..8794		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o2.gp	Method	AAT/GAP
Start	11890	End	12391
GI	38782_1.R1084	Score	791
Exons	11890..12391		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	16539	Seq. ID	OJ991117_09.9C17.C3
Gene No.	34892	Strand	-
Start	12211	End	12391
Name	OJ991117_09.9C17.C3.o4.gs	Method	GENSCAN
Start	12211	End	12257
GI	none	Score	.9
Exons	12211..12257		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34893	Strand	+
Start	1	End	1886

Name	OJ991117_09.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	1886
GI	5091513	Score	618
Exons	1..725, 769..936, 1808..1886		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34893	Strand	+
Start	1	End	1886
Name	OJ991117_09.9C17.C4.o1.gs	Method	GENSCAN
Start	195	End	1322
GI	none	Score	.71
Exons	195..600, 777..842, 853..1322		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34894	Strand	+
Start	3391	End	3637
Name	OJ991117_09.9C17.C4.o1.gp	Method	AAT/GAP
Start	3391	End	3637
GI	3761181	Score	438
Exons	3391..3637		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o2.gp	Method	AAT/GAP
Start	5346	End	6517
GI	52477_1.R1084	Score	960
Exons	5346..5439, 6097..6517		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o2.gs	Method	GENSCAN
Start	5367	End	9994
GI	none	Score	.62
Exons	5367..5439, 6097..7401, 7500..7754, 9924..9994		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o2.np	Method	AAT/NAP
Start	6036	End	14556
GI	4662638	Score	913
Exons	6036..6349, 13109..13622, 13686..13978, 14289..14556		
GI Descrip.	(AC007233) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o3.gp	Method	AAT/GAP
Start	7696	End	8321
GI	3767843	Score	506

Exons	7696..7754, 8090..8321		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o3.gs	Method	GENSCAN
Start	12696	End	24963
GI	none	Score	.51
Exons	12696..14154, 14387..14521, 14660..14756, 15011..15133, 15254..15555, 15754..16513, 16574..17225, 17259..17385, 17394..18770, 18830..19698, 20348..20533, 20729..20887, 22145..22311, 22922..23115, 24116..24202, 24257..24356, 24849..24963		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o4.gp	Method	AAT/GAP
Start	12711	End	13181
GI	427626	Score	715
Exons	12711..12771, 12853..13181		
GI Descrip.	4097948 5.0e-16 (U72255) beta-1,3-glucanase precursor [Oryza sativa]		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o5.gp	Method	AAT/GAP
Start	14363	End	14913
GI	3767610	Score	700
Exons	14363..14521, 14660..14913		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34895	Strand	+
Start	5367	End	24963
Name	OJ991117_09.9C17.C4.o3.np	Method	AAT/NAP
Start	15587	End	20933
GI	6069646	Score	981
Exons	15587..15613, 18877..19678, 19960..20933		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o6.gp	Method	AAT/GAP
Start	27521	End	28078
GI	61405_1.R1084	Score	865
Exons	27521..27698, 27804..28078		
GI Descrip.	'2160314/dbj|BAA18905| 3.0e-15 (D25236) possible 1-3,1-4-beta-glucanase coding sequence [Oryza sativa]'		
Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+

Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o4.gs	Method	GENSCAN
Start	27626	End	30694
GI	none	Score	.49
Exons	27626..29099, 29291..29506, 30302..30456, 30506..30694		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o4.np	Method	AAT/NAP
Start	27626	End	29302
GI	4097948	Score	742
Exons	27626..27698, 27804..28592, 28659..28858, 29252..29302		
GI Descrip.	(U72255) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o7.gp	Method	AAT/GAP
Start	28570	End	29893
GI	17588_1.R1084	Score	1889
Exons	28570..29099, 29252..29506, 29664..29893		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o5.np	Method	AAT/NAP
Start	28848	End	29137
GI	4835761	Score	195
Exons	28848..29137		
GI Descrip.	(AC007202) T8K14.10 [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o6.np	Method	AAT/NAP
Start	29204	End	29510
GI	6562314	Score	183
Exons	29204..29510		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34896	Strand	+
Start	27521	End	32917
Name	OJ991117_09.9C17.C4.o7.np	Method	AAT/NAP
Start	30292	End	32917
GI	4538976	Score	209
Exons	30292..30659, 32834..32917		
GI Descrip.	(AL049487) sucrose-phosphate synthase-like protein [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o1.ts	Method	TBLASTX:Soybean

Start	6090	End	39679
GI	none	Score	220
Exons	6090..6350, 6095..6337, 6348..6836, 6359..6772, 7019..7123, 7020..7127, 12846..13103, 12851..13048, 13109..13450, 13115..13153, 13116..13580, 13256..13495, 13308..13535, 13764..13910, 13776..13871, 13778..13906, 27776..28054, 27784..28041, 28066..28104, 28067..28534, 28135..28446, 28637..28699, 28715..28822, 38802..38903, 38961..39155, 38967..39098, 39029..39148, 39147..39218, 39148..39225, 39154..39225, 39221..39262, 39248..39391, 39572..39679		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	6093	End	39725
GI	none	Score	256
Exons	6093..6350, 6093..6350, 6339..6575, 6359..6568, 6575..6772, 6576..6794, 6579..6773, 6915..7016, 6923..7015, 7016..7144, 7017..7145, 7017..7160, 12711..12755, 12712..12756, 12837..13103, 12848..13102, 13109..13309, 13115..13327, 13116..13331, 13331..13588, 13332..13559, 13710..13754, 13761..13877, 13761..13922, 27644..27685, 27770..28054, 27799..28053, 28060..28278, 28066..28278, 28067..28282, 28244..28510, 28282..28347, 28286..28486, 28378..28509, 28630..28707, 28637..28705, 28712..28828, 28712..28828, 38663..38800, 38802..38891, 38960..39154, 38961..39155, 39178..39225, 39181..39213, 39221..39256, 39248..39397, 39569..39685, 39578..39724, 39582..39725		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	6093	End	39003
GI	none	Score	191
Exons	6093..6257, 6095..6256, 6096..6305, 6203..6262, 6261..6347, 6352..6399, 6356..6397, 6357..6407, 12697..12765, 12699..12764, 12849..13013, 12851..13012, 12872..13018, 13017..13103, 13113..13160, 13113..13160, 13114..13161, 27627..27698, 27773..27964, 27778..27969, 27802..27963, 27968..28054, 28052..28111, 28059..28106, 28064..28111, 38677..38796, 38696..38800, 38699..38803, 38944..39003		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	6099	End	39928
GI	none	Score	172
Exons	6099..6356, 6348..6395, 6359..6400, 6482..6640, 6486..6836, 7020..7139, 7167..7232, 7245..7379, 7523..7585, 7601..7756, 12855..13103, 13236..13550, 13253..13450, 13257..13529, 13764..13877, 13920..13982, 13998..14129, 14290..14352, 14368..14520, 27806..28063, 28192..28347, 28193..28534, 28715..28834, 28943..29074, 29275..29337, 29353..29505, 39572..39691, 39719..39787, 39797..39928		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	7142	End	40294
GI	none	Score	231
Exons	7142..7327, 7143..7328, 7292..7390, 7293..7391, 7294..7407, 7496..7684, 7498..7683, 7499..7684, 7648..7752, 7649..7753, 7652..7753, 7653..7769, 13895..14080, 13902..14081, 13916..14080, 14045..14137, 14046..14138, 14265..14444, 14266..14451, 14279..14446, 14329..14451, 14415..14519, 14416..14523, 14423..14521, 28847..29026, 28853..29020, 28861..29025, 28990..29082, 28991..29083, 29250..29435, 29251..29436, 29400..29504, 29401..29508, 29408..29506, 39701..39880, 39715..39879, 39844..39951, 39845..39952, 40067..40222, 40068..40223, 40079..40234, 40226..40252, 40226..40294		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o2.ts	Method	TBLASTX:Soybean
Start	7155	End	40294
GI	none	Score	216
Exons	7155..7376, 7523..7753, 7543..7728, 7745..7765, 13920..14132, 13925..14128, 14290..14532, 14329..14496, 28853..29074, 29275..29487, 29280..29486, 39707..39955, 40092..40214, 40104..40211, 40232..40294, 40233..40286		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o4.tm	Method	TBLASTX:Maize
Start	7160	End	40294
GI	none	Score	249
Exons	7160..7372, 7161..7373, 7163..7378, 7332..7391, 7472..7735, 7472..7720, 7504..7734, 7687..7752, 7688..7753, 13923..14132, 13925..14131, 14085..14144, 14248..14502, 14286..14501, 14460..14522, 14461..14523, 28840..29067, 28847..29068, 29233..29487, 29256..29480, 29446..29508, 39727..39900, 39728..39916, 39737..39931, 40074..40223, 40088..40219, 40226..40294, 40234..40293		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o5.tw	Method	TBLASTX:Wheat
Start	18826	End	19215
GI	none	Score	143
Exons	18826..19083, 19138..19215		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	18877	End	19284

GI	none	Score	463
Exons	18877..19284, 18880..19236, 18882..19283		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o3.tm	Method	TBLASTX:Maize
Start	19287	End	19898
GI	none	Score	343
Exons	19287..19367, 19288..19770, 19446..19724, 19722..19898		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	19542	End	19979
GI	none	Score	176
Exons	19542..19724, 19546..19725, 19722..19841, 19854..19979		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o6.tm	Method	TBLASTX:Maize
Start	19956	End	20255
GI	none	Score	202
Exons	19956..20135, 19964..20134, 20142..20249, 20145..20255		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o4.tw	Method	TBLASTX:Wheat
Start	20139	End	20521
GI	none	Score	106
Exons	20139..20276, 20205..20273, 20368..20520, 20369..20521		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o5.tm	Method	TBLASTX:Maize
Start	20363	End	20915
GI	none	Score	259
Exons	20363..20668, 20416..20595, 20474..20668, 20732..20815, 20877..20915		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o7.tm	Method	TBLASTX:Maize
Start	30373	End	30655
GI	none	Score	83
Exons	30373..30441, 30494..30655, 30514..30630		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o3.ts	Method	TBLASTX:Soybean
Start	30508	End	30658

GI	none	Score	200
Exons	30508..30630, 30512..30658		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o6.gs	Method	GENSCAN
Start	37842	End	39953
GI	none	Score	..7
Exons	37842..37863, 38694..38861, 38902..38973, 39261..39438, 39553..39720, 39802..39953		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o11.np	Method	AAT/NAP
Start	38536	End	40518
GI	4678386	Score	154
Exons	38536..38617, 39705..40056, 40369..40518		
GI Descrip.	(AL049656) putative protein [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o10.np	Method	AAT/NAP
Start	38617	End	39685
GI	4097938	Score	258
Exons	38617..39446, 39477..39685		
GI Descrip.	(U72250) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o9.np	Method	AAT/NAP
Start	38629	End	39682
GI	4097946	Score	244
Exons	38629..39465, 39493..39682		
GI Descrip.	(U72254) beta-1,3-glucanase precursor [Oryza sativa]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o8.np	Method	AAT/NAP
Start	38693	End	39718
GI	3641838	Score	282
Exons	38693..39718		
GI Descrip.	(AL023094) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	16540	Seq. ID	OJ991117_09.9C17.C4
Gene No.	34897	Strand	+
Start	37842	End	40518
Name	OJ991117_09.9C17.C4.o12.np	Method	AAT/NAP
Start	39563	End	40518
GI	6562314	Score	164
Exons	39563..39602, 39699..39941, 40417..40518		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	16541	Seq. ID	OJ991117_09.9C17.C5
Gene No.	34898	Strand	-
Start	1	End	531
Name	OJ991117_09.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	531
GI	5734635	Score	193
Exons	1..221, 294..531		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	16541	Seq. ID	OJ991117_09.9C17.C5
Gene No.	34898	Strand	-
Start	1	End	531
Name	OJ991117_09.9C17.C5.o1.gs	Method	GENSCAN
Start	319	End	410
GI	none	Score	.65
Exons	319..410		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34899	Strand	+
Start	1016	End	2620
Name	OJ991117_09.9C17.C6.o1.np	Method	AAT/NAP
Start	1016	End	2285
GI	4680179	Score	590
Exons	1016..1873, 2042..2285		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34899	Strand	+
Start	1016	End	2620
Name	OJ991117_09.9C17.C6.o1.gs	Method	GENSCAN
Start	1037	End	2620
GI	none	Score	.48
Exons	1037..2356, 2465..2620		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34900	Strand	+
Start	6748	End	7133
Name	OJ991117_09.9C17.C6.o1.gp	Method	AAT/GAP
Start	6748	End	7133
GI	uC-osflcyp033a04b1	Score	633
Exons	6748..7133		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34901	Strand	-
Start	1	End	8155
Name	OJ991117_09.9C17.C6.o2.np	Method	AAT/NAP
Start	1	End	8155
GI	5852180	Score	728
Exons	1..34, 4636..4705, 5412..5823, 5875..5991, 6982..7052, 8123..8155		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34901	Strand	-
Start	1	End	8155

Name	OJ991117_09.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	1259	End	1615
GI	none	Score	277
Exons	1259..1615, 1261..1614		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34901	Strand	-
Start	1	End	8155
Name	OJ991117_09.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	1499	End	1798
GI	none	Score	232
Exons	1499..1798, 1513..1626		

Seq. No.	16542	Seq. ID	OJ991117_09.9C17.C6
Gene No.	34901	Strand	-
Start	1	End	8155
Name	OJ991117_09.9C17.C6.o2.gs	Method	GENSCAN
Start	5125	End	8023
GI	none	Score	.6
Exons	5125..5991, 6419..6469, 7994..8023		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34902	Strand	+
Start	49	End	761
Name	OJ991117_09.9C17.C7.o1.gs	Method	GENSCAN
Start	49	End	761
GI	none	Score	.69
Exons	49..105, 723..761		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34903	Strand	+
Start	3664	End	4047
Name	OJ991117_09.9C17.C7.o2.gp	Method	AAT/GAP
Start	3664	End	4047
GI	uC-osflcyp033a04b1	Score	641
Exons	3664..4047		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34904	Strand	+
Start	9421	End	9954
Name	OJ991117_09.9C17.C7.o3.gs	Method	GENSCAN
Start	9421	End	9954
GI	none	Score	.99
Exons	9421..9954		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34905	Strand	+
Start	15762	End	16936
Name	OJ991117_09.9C17.C7.o5.gs	Method	GENSCAN
Start	15762	End	16936
GI	none	Score	.97
Exons	15762..16135, 16783..16936		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34906	Strand	-

Start	7206	End	7769
Name	OJ991117_09.9C17.C7.o5.gp	Method	AAT/GAP
Start	7206	End	7769
GI	38782_1.R1084	Score	795
Exons	7206..7228, 7289..7769		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34906	Strand	-
Start	7206	End	7769
Name	OJ991117_09.9C17.C7.o4.gp	Method	AAT/GAP
Start	7262	End	7769
GI	38782_1.R1084	Score	795
Exons	7262..7769		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o8.tw	Method	TBLASTX:Wheat
Start	5107	End	5484
GI	none	Score	243
Exons	5107..5484		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o1.np	Method	AAT/NAP
Start	11190	End	16709
GI	4680179	Score	4129
Exons	11190..14607, 14710..15161, 16686..16709		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o4.gs	Method	GENSCAN
Start	11219	End	15052
GI	none	Score	.77
Exons	11219..11452, 11462..12434, 12531..14298, 14521..14688, 14737..15052		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o2.np	Method	AAT/NAP
Start	11222	End	16739
GI	4539660	Score	4018
Exons	11222..14627, 14715..15161, 16686..16739		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o5.tw	Method	TBLASTX:Wheat

Start	11234	End	11567
GI	none	Score	106
Exons	11234..11566, 11255..11404, 11298..11567		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o7.tm	Method	TBLASTX:Maize
Start	11249	End	11407
GI	none	Score	193
Exons	11249..11407		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	11417	End	12014
GI	none	Score	69
Exons	11417..11512, 11417..11854, 11427..11636, 11618..11734, 11712..11855, 11818..11856, 11832..11855, 11852..12010, 11859..12005, 11861..12013, 11862..12014		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	11567	End	12193
GI	none	Score	122
Exons	11567..12193, 11618..12046, 11691..12137		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	12132	End	12392
GI	none	Score	237
Exons	12132..12392, 12134..12391, 12201..12392		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	12152	End	12407
GI	none	Score	182
Exons	12152..12400, 12153..12407		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	12176	End	12493
GI	none	Score	101
Exons	12176..12319, 12192..12317, 12320..12493, 12374..12472		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263

Name	OJ991117_09.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	12200	End	12724
GI	none	Score	269
Exons	12200..12724, 12204..12572		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	12767	End	13120
GI	none	Score	242
Exons	12767..13120, 12804..13118		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	12767	End	13193
GI	none	Score	108
Exons	12767..13192, 12769..13131, 12782..13135, 12816..13193		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	12941	End	13186
GI	none	Score	213
Exons	12941..13186		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	13157	End	13657
GI	none	Score	160
Exons	13157..13492, 13478..13657		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o6.tw	Method	TBLASTX:Wheat
Start	13199	End	13495
GI	none	Score	178
Exons	13199..13495, 13236..13451		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	13208	End	13603
GI	none	Score	146
Exons	13208..13567, 13236..13451, 13407..13568, 13491..13565, 13571..13603		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263

Name	OJ991117_09.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	13544	End	14027
GI	none	Score	291
Exons	13544..14026, 13548..14027		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	13727	End	14015
GI	none	Score	96
Exons	13727..13999, 13727..14014, 13728..14015		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o7.tw	Method	TBLASTX:Wheat
Start	14168	End	14572
GI	none	Score	78
Exons	14168..14338, 14223..14342, 14351..14572, 14418..14528, 14519..14572		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o6.tm	Method	TBLASTX:Maize
Start	14253	End	14579
GI	none	Score	38
Exons	14253..14336, 14255..14578, 14438..14575, 14466..14579		

Seq. No.	16543	Seq. ID	OJ991117_09.9C17.C7
Gene No.	34907	Strand	-
Start	11219	End	17263
Name	OJ991117_09.9C17.C7.o3.np	Method	AAT/NAP
Start	15875	End	17263
GI	5852180	Score	304
Exons	15875..16268, 17197..17263		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16544	Seq. ID	OJ990717_40.9C23.C1
Gene No.	34908	Strand	+
Start	1	End	484
Name	OJ990717_40.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	484
GI	4567304	Score	411
Exons	1..224, 307..484		
GI Descrip.	(AC005956) unknown protein [Arabidopsis thaliana]		

Seq. No.	16544	Seq. ID	OJ990717_40.9C23.C1
Gene No.	34908	Strand	+
Start	1	End	484
Name	OJ990717_40.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	15	End	417
GI	none	Score	232
Exons	15..38, 45..227, 70..225, 71..226, 306..416, 307..417		

Seq. No.	16544	Seq. ID	OJ990717_40.9C23.C1

Gene No.	34908	Strand	+
Start	1	End	484
Name	OJ990717_40.9C23.C1.o1.gs	Method	GENSCAN
Start	33	End	480
GI	none	Score	.89
Exons	33..224, 307..480		

Seq. No.	16544	Seq. ID	OJ990717_40.9C23.C1
Gene No.	34908	Strand	+
Start	1	End	484
Name	OJ990717_40.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	55	End	483
GI	none	Score	115
Exons	55..153, 57..161, 71..163, 84..227, 164..226, 306..476, 307..483		

Seq. No.	16544	Seq. ID	OJ990717_40.9C23.C1
Gene No.	34908	Strand	+
Start	1	End	484
Name	OJ990717_40.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	141	End	483
GI	none	Score	144
Exons	141..227, 149..226, 303..479, 305..478, 306..479, 307..483		

Seq. No.	16545	Seq. ID	OJ990717_40.9C23.C2
Gene No.	34909	Strand	-
Start	98	End	172
Name	OJ990717_40.9C23.C2.o1.gs	Method	GENSCAN
Start	98	End	172
GI	none	Score	.75
Exons	98..172		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3
Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o1.np	Method	AAT/NAP
Start	306	End	1331
GI	4836928	Score	522
Exons	306..912, 1022..1144, 1184..1331		
GI Descrip.	(AC006085) Similar to protein kinases [Arabidopsis thaliana]		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3
Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o1.gs	Method	GENSCAN
Start	320	End	1307
GI	none	Score	.79
Exons	320..1117, 1123..1307		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3
Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	380	End	811
GI	none	Score	59
Exons	380..421, 464..535, 500..811, 554..811		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3

Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	533	End	1331
GI	none	Score	264
Exons	533..844, 640..846, 1193..1243, 1263..1331, 1264..1329		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3
Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	545	End	846
GI	none	Score	251
Exons	545..844, 574..846		

Seq. No.	16546	Seq. ID	OJ990717_40.9C23.C3
Gene No.	34910	Strand	+
Start	306	End	1331
Name	OJ990717_40.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	1085	End	1331
GI	none	Score	63
Exons	1085..1132, 1087..1125, 1189..1254, 1190..1243, 1246..1326, 1258..1329, 1260..1331		

Seq. No.	16547	Seq. ID	OJ990717_40.9C23.C10
Gene No.	34911	Strand	+
Start	31	End	97
Name	OJ990717_40.9C23.C10.o1.gs	Method	GENSCAN
Start	31	End	97
GI	none	Score	.81
Exons	31..97		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34912	Strand	+
Start	1	End	1306
Name	OJ990717_40.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	1306
GI	4680186	Score	390
Exons	1..53, 215..266, 1106..1306		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34913	Strand	+
Start	14243	End	17189
Name	OJ990717_40.9C23.C12.o3.np	Method	AAT/NAP
Start	14243	End	17189
GI	5852180	Score	368
Exons	14243..14371, 14423..14817, 17154..17189		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34913	Strand	+
Start	14243	End	17189
Name	OJ990717_40.9C23.C12.o4.np	Method	AAT/NAP
Start	14449	End	14862
GI	4680185	Score	398
Exons	14449..14862		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34913	Strand	+
Start	14243	End	17189
Name	OJ990717_40.9C23.C12.o5.np	Method	AAT/NAP
Start	14635	End	17189
GI	6598595	Score	56
Exons	14635..14698, 15875..16108, 17124..17189		
GI Descrip.	(AC006527) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34914	Strand	-
Start	858	End	1239
Name	OJ990717_40.9C23.C12.o1.gp	Method	AAT/GAP
Start	858	End	1239
GI	uC-osflcyp033a04b1	Score	655
Exons	858..1239		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34915	Strand	-
Start	7915	End	8296
Name	OJ990717_40.9C23.C12.o3.gp	Method	AAT/GAP
Start	7915	End	8296
GI	uC-osflcyp033a04b1	Score	659
Exons	7915..8296		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o3.tw	Method	TBLASTX:Wheat
Start	4267	End	12369
GI	none	Score	256
Exons	4267..4395, 11944..12306, 11944..12369, 11948..12331		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	4270	End	12298
GI	none	Score	182
Exons	4270..4515, 11935..12297, 11944..12297, 11948..12298		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o5.tw	Method	TBLASTX:Wheat
Start	4580	End	12672
GI	none	Score	257
Exons	4580..4684, 4685..4957, 12370..12672, 12386..12670		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12

Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	4652	End	12828
GI	none	Score	196
Exons	4652..5113, 4653..4964, 4808..5113, 12433..12828		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	4685	End	12780
GI	none	Score	210
Exons	4685..5017, 12384..12653, 12385..12744, 12386..12676, 12707..12742, 12707..12745, 12748..12780, 12749..12778		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o4.tw	Method	TBLASTX:Wheat
Start	4982	End	13026
GI	none	Score	253
Exons	4982..5326, 4982..5335, 5025..5327, 5330..5386, 5340..5381, 12697..12834, 12847..13026, 12865..13026		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o5.tm	Method	TBLASTX:Maize
Start	5114	End	13026
GI	none	Score	224
Exons	5114..5332, 5115..5327, 5132..5332, 12847..13026		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o6.tm	Method	TBLASTX:Maize
Start	7089	End	16810
GI	none	Score	66
Exons	7089..7220, 7117..7179, 16532..16657, 16543..16656, 16682..16810, 16708..16803		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o2.gs	Method	GENSCAN
Start	10363	End	14907
GI	none	Score	.41
Exons	10363..11093, 11196..13765, 14579..14907		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o2.np	Method	AAT/NAP
Start	10366	End	15919
GI	4680179	Score	4470
Exons	10366..13765, 13799..13856, 14563..14807, 15877..15919		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o6.tw	Method	TBLASTX:Wheat
Start	10411	End	10744
GI	none	Score	143
Exons	10411..10743, 10475..10744		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	10591	End	11190
GI	none	Score	208
Exons	10591..11031, 10607..11029, 11029..11190, 11035..11187		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	10744	End	11370
GI	none	Score	41
Exons	10744..11370, 10745..10804, 10747..10998, 10856..11314		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o4.tm	Method	TBLASTX:Maize
Start	11242	End	11530
GI	none	Score	204
Exons	11242..11529, 11243..11530		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	11328	End	11584
GI	none	Score	140
Exons	11328..11510, 11329..11583, 11330..11584		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	11377	End	11913
GI	none	Score	324
Exons	11377..11913, 11378..11869		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o3.ts	Method	TBLASTX:Soybean
Start	12118	End	12363
GI	none	Score	94
Exons	12118..12363, 12119..12346		

Seq. No.	16548	Seq. ID	OJ990717_40.9C23.C12
Gene No.	34916	Strand	-
Start	10363	End	16810
Name	OJ990717_40.9C23.C12.o7.tw	Method	TBLASTX:Wheat
Start	13372	End	13740
GI	none	Score	63
Exons	13372..13485, 13373..13486, 13531..13740, 13532..13684		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o1.np	Method	AAT/NAP
Start	1	End	1959
GI	4680179	Score	3278
Exons	1..1959		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o3.tw	Method	TBLASTX:Wheat
Start	6	End	382
GI	none	Score	69
Exons	6..71, 64..300, 65..382, 65..382		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o2.tm	Method	TBLASTX:Maize
Start	30	End	394
GI	none	Score	37
Exons	30..71, 64..297, 65..382, 83..394, 190..387		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o1.gs	Method	GENSCAN
Start	83	End	1900
GI	none	Score	1
Exons	83..1900		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o2.tw	Method	TBLASTX:Wheat
Start	422	End	949
GI	none	Score	569
Exons	422..949, 503..916, 694..948		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	737	End	997
GI	none	Score	285
Exons	737..997, 742..996		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o3.tm	Method	TBLASTX:Maize
Start	796	End	1087
GI	none	Score	379
Exons	796..1083, 797..1087		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	956	End	1582
GI	none	Score	731
Exons	956..1582, 958..1581		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	1139	End	1735
GI	none	Score	221
Exons	1139..1297, 1144..1290, 1295..1735, 1297..1722		

Seq. No.	16549	Seq. ID	OJ990717_40.9C23.C13
Gene No.	34917	Strand	+
Start	1	End	1959
Name	OJ990717_40.9C23.C13.o4.tw	Method	TBLASTX:Wheat
Start	1582	End	1949
GI	none	Score	227
Exons	1582..1653, 1583..1837, 1610..1690, 1675..1797, 1804..1914, 1896..1949		

Seq. No.	16550	Seq. ID	OJ990717_40.9C23.C14
Gene No.	34918	Strand	+
Start	1	End	370
Name	OJ990717_40.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	370
GI	2498930	Score	100
Exons	1..62, 91..154, 322..370		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16550	Seq. ID	OJ990717_40.9C23.C14
Gene No.	34918	Strand	+
Start	1	End	370
Name	OJ990717_40.9C23.C14.o1.gs	Method	GENSCAN
Start	95	End	154
GI	none	Score	.98
Exons	95..154		

Seq. No.	16551	Seq. ID	OJ990717_40.9C23.C17
Gene No.	34919	Strand	+
Start	55	End	129
Name	OJ990717_40.9C23.C17.o1.gs	Method	GENSCAN
Start	55	End	129

GI	none	Score	.8
Exons	55..129		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o1.np	Method	AAT/NAP
Start	1	End	1258
GI	6466937	Score	962
Exons	1..1258		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	491
GI	none	Score	340
Exons	3..488, 43..486, 111..491		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o1.gs	Method	GENSCAN
Start	32	End	1032
GI	none	Score	.47
Exons	32..347, 572..1032		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o2.tw	Method	TBLASTX:Wheat
Start	118	End	515
GI	none	Score	159
Exons	118..486, 216..515		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o1.ts	Method	TBLASTX:Soybean
Start	231	End	560
GI	none	Score	96
Exons	231..560, 232..486		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o1.tw	Method	TBLASTX:Wheat
Start	566	End	1048
GI	none	Score	70
Exons	566..1048, 600..767, 608..931		

Seq. No.	16552	Seq. ID	OJ990717_40.9C23.C18
Gene No.	34920	Strand	-
Start	1	End	1258
Name	OJ990717_40.9C23.C18.o2.tm	Method	TBLASTX:Maize

Start	566	End	988
GI	none	Score	131
Exons	566..988, 728..985		

Seq. No.	16553	Seq. ID	OJ990717_40.9C23.C19
Gene No.	34921	Strand	-
Start	313	End	543
Name	OJ990717_40.9C23.C19.o1.gs	Method	GENSCAN
Start	313	End	543
GI	none	Score	.59
Exons	313..432, 474..543		

Seq. No.	16554	Seq. ID	OJ990717_40.9C23.C20
Gene No.	34922	Strand	+
Start	167	End	311
Name	OJ990717_40.9C23.C20.o1.gs	Method	GENSCAN
Start	167	End	311
GI	none	Score	.86
Exons	167..311		

Seq. No.	16555	Seq. ID	OJ990717_40.9C23.C21
Gene No.	34923	Strand	+
Start	279	End	846
Name	OJ990717_40.9C23.C21.o1.gp	Method	AAT/GAP
Start	279	End	846
GI	4879016	Score	835
Exons	279..846		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	16556	Seq. ID	OJ990717_40.9C23.C22
Gene No.	34924	Strand	+
Start	90	End	826
Name	OJ990717_40.9C23.C22.o1.gs	Method	GENSCAN
Start	90	End	826
GI	none	Score	.76
Exons	90..332, 425..516, 561..826		

Seq. No.	16556	Seq. ID	OJ990717_40.9C23.C22
Gene No.	34925	Strand	-
Start	1120	End	1212
Name	OJ990717_40.9C23.C22.o2.gs	Method	GENSCAN
Start	1120	End	1212
GI	none	Score	.68
Exons	1120..1212		

Seq. No.	16556	Seq. ID	OJ990717_40.9C23.C22
Gene No.	34926	Strand	-
Start	1564	End	2307
Name	OJ990717_40.9C23.C22.o1.np	Method	AAT/NAP
Start	1564	End	2307
GI	4680183	Score	149
Exons	1564..1653, 2261..2307		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16557	Seq. ID	OJ990717_40.9C23.C23

Gene No.	34927	Strand	+
Start	192	End	257
Name	OJ990717_40.9C23.C23.o1.gs	Method	GENSCAN
Start	192	End	257
GI	none	Score	.87
Exons	192..257		

Seq. No.	16558	Seq. ID	OJ990717_40.9C23.C24
Gene No.	34928	Strand	+
Start	1	End	408
Name	OJ990717_40.9C23.C24.o1.np	Method	AAT/NAP
Start	1	End	408
GI	4581164	Score	263
Exons	1..408		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16558	Seq. ID	OJ990717_40.9C23.C24
Gene No.	34929	Strand	+
Start	1292	End	1558
Name	OJ990717_40.9C23.C24.o1.tw	Method	TBLASTX:Wheat
Start	2	End	304
GI	none	Score	320
Exons	2..304, 43..303		

Seq. No.	16558	Seq. ID	OJ990717_40.9C23.C24
Gene No.	34929	Strand	+
Start	1292	End	1558
Name	OJ990717_40.9C23.C24.o1.tm	Method	TBLASTX:Maize
Start	115	End	406
GI	none	Score	326
Exons	115..399, 116..406, 314..406		

Seq. No.	16558	Seq. ID	OJ990717_40.9C23.C24
Gene No.	34929	Strand	+
Start	1292	End	1558
Name	OJ990717_40.9C23.C24.o1.ts	Method	TBLASTX:Soybean
Start	190	End	403
GI	none	Score	189
Exons	190..399, 191..403		

Seq. No.	16558	Seq. ID	OJ990717_40.9C23.C24
Gene No.	34929	Strand	+
Start	1292	End	1558
Name	OJ990717_40.9C23.C24.o1.gs	Method	GENSCAN
Start	1292	End	1558
GI	none	Score	.43
Exons	1292..1558		

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o1.np	Method	AAT/NAP
Start	1	End	365
GI	6063554	Score	252
Exons	1..84, 193..365		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464)		

correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o2.np	Method	AAT/NAP
Start	1	End	2017
GI	6466937	Score	493
Exons	1..38, 954..2017		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o1.tm	Method	TBLASTX:Maize
Start	950	End	1319
GI	none	Score	120
Exons	950..1057, 1062..1319, 1063..1317		

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o2.tw	Method	TBLASTX:Wheat
Start	953	End	1329
GI	none	Score	64
Exons	953..1057, 1069..1329, 1224..1316		

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o2.tm	Method	TBLASTX:Maize
Start	1321	End	2028
GI	none	Score	39
Exons	1321..1338, 1379..1663, 1399..1461, 1498..1635, 1725..1793, 1802..1918, 1826..1909, 1957..2028		

Seq. No.	16559	Seq. ID	OJ990717_40.9C23.C25
Gene No.	34930	Strand	+
Start	1	End	2028
Name	OJ990717_40.9C23.C25.o1.tw	Method	TBLASTX:Wheat
Start	1379	End	1672
GI	none	Score	280
Exons	1379..1672, 1387..1638		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34931	Strand	+
Start	77	End	3888
Name	OJ990717_40.9C23.C26.o1.gs	Method	GENSCAN
Start	77	End	3888
GI	none	Score	.88
Exons	77..137, 2682..2885, 3680..3888		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34932	Strand	+
Start	11723	End	19151

Name	OJ990717_40.9C23.C26.o3.gs	Method	GENSCAN
Start	11723	End	19151
GI	none	Score	.5
Exons	11723..11825, 12326..12448, 12692..12775, 13554..14109, 14140..14382, 14873..14906, 15240..15472, 15594..15797, 16693..16809, 17756..17893, 19079..19151		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34933	Strand	-
Start	4569	End	6830
Name	OJ990717_40.9C23.C26.o2.gs	Method	GENSCAN
Start	4569	End	6830
GI	none	Score	.57
Exons	4569..4606, 5330..5507, 6306..6830		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34934	Strand	-
Start	12507	End	14389
Name	OJ990717_40.9C23.C26.o1.np	Method	AAT/NAP
Start	12507	End	14389
GI	6063554	Score	157
Exons	12507..12681, 13822..14048, 14161..14389		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34934	Strand	-
Start	12507	End	14389
Name	OJ990717_40.9C23.C26.o1.gp	Method	AAT/GAP
Start	12667	End	13098
GI	2428185	Score	713
Exons	12667..13098		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o1.tw	Method	TBLASTX:Wheat
Start	14972	End	16319
GI	none	Score	57
Exons	14972..15025, 15009..15059, 16065..16319, 16141..16305		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o1.tm	Method	TBLASTX:Maize
Start	16017	End	16283
GI	none	Score	75
Exons	16017..16283, 16120..16266		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	16059	End	16283

GI	none	Score	75
Exons	16059..16283, 16120..16266		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o3.np	Method	AAT/NAP
Start	19062	End	22615
GI	4680183	Score	269
Exons	19062..19095, 21332..21810, 22592..22615		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o3.tw	Method	TBLASTX:Wheat
Start	20273	End	20629
GI	none	Score	68
Exons	20273..20476, 20277..20381, 20309..20464, 20504..20629		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o4.gs	Method	GENSCAN
Start	20366	End	20635
GI	none	Score	.99
Exons	20366..20635		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o5.gs	Method	GENSCAN
Start	20834	End	22106
GI	none	Score	.55
Exons	20834..21220, 21697..21909, 22017..22106		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o2.tw	Method	TBLASTX:Wheat
Start	21496	End	21837
GI	none	Score	74
Exons	21496..21837, 21515..21787		

Seq. No.	16560	Seq. ID	OJ990717_40.9C23.C26
Gene No.	34935	Strand	-
Start	19062	End	22615
Name	OJ990717_40.9C23.C26.o2.tm	Method	TBLASTX:Maize
Start	21583	End	21852
GI	none	Score	185
Exons	21583..21852		

Seq. No.	16561	Seq. ID	OJ990717_40.9C23.C27
Gene No.	34936	Strand	+
Start	457	End	557
Name	OJ990717_40.9C23.C27.o1.gs	Method	GENSCAN
Start	457	End	557

GI	none	Score	.99
Exons	457..557		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34937	Strand	+
Start	1892	End	2658
Name	OJ990717_40.9C23.C28.o1.gs	Method	GENSCAN
Start	1892	End	2658
GI	none	Score	.76
Exons	1892..1982, 2273..2658		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o1.tm	Method	TBLASTX:Maize
Start	295	End	760
GI	none	Score	197
Exons	295..483, 299..556, 299..490,	590..658,	671..760

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o2.tw	Method	TBLASTX:Wheat
Start	593	End	853
GI	none	Score	184
Exons	593..790, 598..774, 671..853,	797..853	

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o1.np	Method	AAT/NAP
Start	6721	End	9487
GI	4680203	Score	1287
Exons	6721..6768, 7987..9487		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o3.gs	Method	GENSCAN
Start	6893	End	9522
GI	none	Score	.49
Exons	6893..7415, 8281..8415, 8631..8716, 8822..8973, 9369..9522		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o3.tw	Method	TBLASTX:Wheat
Start	8299	End	8690
GI	none	Score	79
Exons	8299..8436, 8325..8450, 8433..8615, 8441..8608, 8462..8674, 8589..8690, 8614..8673		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o2.tm	Method	TBLASTX:Maize

Start	8766	End	9152
GI	none	Score	73
Exons	8766..8867, 8902..9072, 9054..9152		

Seq. No.	16562	Seq. ID	OJ990717_40.9C23.C28
Gene No.	34938	Strand	+
Start	6721	End	9522
Name	OJ990717_40.9C23.C28.o1.tw	Method	TBLASTX:Wheat
Start	8951	End	9311
GI	none	Score	84
Exons	8951..9043, 8952..9047, 8953..9054, 9054..9155, 9064..9156, 9065..9157, 9065..9154, 9155..9208, 9200..9295, 9205..9306, 9207..9311		

Seq. No.	16563	Seq. ID	OJ990717_40.9C23.C32
Gene No.	34939	Strand	-
Start	1	End	1103
Name	OJ990717_40.9C23.C32.o1.np	Method	AAT/NAP
Start	1	End	1103
GI	4544372	Score	479
Exons	1..1103		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16563	Seq. ID	OJ990717_40.9C23.C32
Gene No.	34939	Strand	-
Start	1	End	1103
Name	OJ990717_40.9C23.C32.o1.tw	Method	TBLASTX:Wheat
Start	16	End	288
GI	none	Score	172
Exons	16..288		

Seq. No.	16563	Seq. ID	OJ990717_40.9C23.C32
Gene No.	34939	Strand	-
Start	1	End	1103
Name	OJ990717_40.9C23.C32.o1.gs	Method	GENSCAN
Start	73	End	1022
GI	none	Score	.59
Exons	73..429, 921..1022		

Seq. No.	16563	Seq. ID	OJ990717_40.9C23.C32
Gene No.	34939	Strand	-
Start	1	End	1103
Name	OJ990717_40.9C23.C32.o1.ts	Method	TBLASTX:Soybean
Start	642	End	923
GI	none	Score	200
Exons	642..923		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.np	Method	AAT/NAP
Start	1	End	767
GI	6056375	Score	439
Exons	1..108, 232..442, 618..767		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.tc	Method	TBLASTX:Cress
Start	21	End	766
GI	none	Score	87
Exons	21..107, 22..108, 199..417, 223..441, 231..425, 635..766, 637..765		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.ts	Method	TBLASTX:Soybean
Start	22	End	766
GI	none	Score	92
Exons	22..108, 179..442, 223..447, 231..443, 593..766, 628..756		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.tw	Method	TBLASTX:Wheat
Start	28	End	426
GI	none	Score	71
Exons	28..120, 223..426, 300..425		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.tm	Method	TBLASTX:Maize
Start	33	End	766
GI	none	Score	100
Exons	33..101, 34..108, 222..443, 223..444, 224..442, 231..443, 616..765, 617..766		

Seq. No.	16564	Seq. ID	OJ990717_40.9C23.C33
Gene No.	34940	Strand	+
Start	1	End	767
Name	OJ990717_40.9C23.C33.o1.gs	Method	GENSCAN
Start	232	End	442
GI	none	Score	.54
Exons	232..442		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34941	Strand	+
Start	1	End	3112
Name	OJ990717_40.9C23.C34.o1.np	Method	AAT/NAP
Start	1	End	1538
GI	4680179	Score	2109
Exons	1..1538		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34941	Strand	+
Start	1	End	3112
Name	OJ990717_40.9C23.C34.o1.gs	Method	GENSCAN
Start	15	End	3112

GI	none	Score	.5
Exons	15..1001, 1047..1524, 1911..1963, 2248..2448, 3011..3112		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o2.np	Method	AAT/NAP
Start	1	End	2791
GI	5852180	Score	419
Exons	1..52, 2201..2603, 2655..2791		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o2.tw	Method	TBLASTX:Wheat
Start	3	End	527
GI	none	Score	634
Exons	3..527, 35..526		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o1.tc	Method	TBLASTX:Cress
Start	234	End	551
GI	none	Score	83
Exons	234..407, 408..551, 410..550		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o1.ts	Method	TBLASTX:Soybean
Start	320	End	575
GI	none	Score	286
Exons	320..574, 321..575		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o2.tm	Method	TBLASTX:Maize
Start	373	End	662
GI	none	Score	366
Exons	373..561, 374..661, 375..662		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o1.tw	Method	TBLASTX:Wheat
Start	534	End	1160
GI	none	Score	659
Exons	534..1160, 590..1054, 906..1157		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o1.tm	Method	TBLASTX:Maize
Start	714	End	1313

GI	none	Score	235
Exons	714..875, 722..868, 873..1313, 875..1057, 1035..1298		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o3.tw	Method	TBLASTX:Wheat
Start	1160	End	1493
GI	none	Score	369
Exons	1160..1429, 1161..1493, 1164..1472		

Seq. No.	16565	Seq. ID	OJ990717_40.9C23.C34
Gene No.	34942	Strand	-
Start	1	End	2791
Name	OJ990717_40.9C23.C34.o3.tm	Method	TBLASTX:Maize
Start	1317	End	1514
GI	none	Score	183
Exons	1317..1514		

Seq. No.	16566	Seq. ID	OJ990717_40.9C23.C35
Gene No.	34943	Strand	-
Start	595	End	656
Name	OJ990717_40.9C23.C35.o1.gs	Method	GENSCAN
Start	595	End	656
GI	none	Score	.68
Exons	595..656		

Seq. No.	16567	Seq. ID	OJ990627_44.9C10.C1
Gene No.	34944	Strand	+
Start	1	End	444
Name	OJ990627_44.9C10.C1.o1.gp	Method	AAT/GAP
Start	1	End	444
GI	480_1.R1084	Score	860
Exons	1..444		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	16568	Seq. ID	OJ990627_44.9C10.C3
Gene No.	34945	Strand	+
Start	44	End	1109
Name	OJ990627_44.9C10.C3.o1.gs	Method	GENSCAN
Start	44	End	1109
GI	none	Score	.61
Exons	44..346, 891..1109		

Seq. No.	16568	Seq. ID	OJ990627_44.9C10.C3
Gene No.	34946	Strand	-
Start	367	End	494
Name	OJ990627_44.9C10.C3.o1.gp	Method	AAT/GAP
Start	367	End	494
GI	12420_1.R1084	Score	157
Exons	367..494		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34947	Strand	+

Start	3105	End	9200
Name	OJ990627_44.9C10.C4.o1.gp	Method	AAT/GAP
Start	2862	End	3556
GI	29544_1.R1084	Score	990
Exons	2862..2981, 3099..3556		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34947	Strand	+
Start	3105	End	9200
Name	OJ990627_44.9C10.C4.o1.np	Method	AAT/NAP
Start	3090	End	7960
GI	6469032	Score	1174
Exons	3090..3530, 7061..7960		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34947	Strand	+
Start	3105	End	9200
Name	OJ990627_44.9C10.C4.o2.gs	Method	GENSCAN
Start	3105	End	9200
GI	none	Score	.41
Exons	3105..3530, 7061..7959, 8181..8205, 8634..8789, 8925..9200		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34948	Strand	+
Start	12482	End	13259
Name	OJ990627_44.9C10.C4.o2.np	Method	AAT/NAP
Start	12482	End	13259
GI	4584525	Score	113
Exons	12482..12598, 12701..12770, 13169..13259		
GI Descrip.	(AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34949	Strand	-
Start	2176	End	2588
Name	OJ990627_44.9C10.C4.o1.gs	Method	GENSCAN
Start	2176	End	2588
GI	none	Score	.54
Exons	2176..2334, 2403..2588		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	3101	End	7279
GI	none	Score	180
Exons	3101..3229, 3105..3233, 3285..3431, 3311..3379, 3426..3503, 3426..3536, 7046..7279, 7060..7200		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o1.ts	Method	TBLASTX:Soybean

Start	3102	End	7978
GI	none	Score	162
Exons	3102..3233, 3104..3229, 3285..3410, 3311..3376, 3420..3503, 3443..3535, 7046..7294, 7053..7157, 7054..7200, 7058..7279, 7334..7612, 7456..7599, 7627..7818, 7628..7978, 7701..7838, 7721..7933, 7870..7941		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	3102	End	3236
GI	none	Score	183
Exons	3102..3236, 3104..3235		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	3102	End	7260
GI	none	Score	218
Exons	3102..3236, 3104..3235, 3255..3536, 3282..3503, 7046..7258, 7055..7207, 7060..7260		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o2.gp	Method	AAT/GAP
Start	7181	End	8397
GI	1118_1.R1084	Score	2415
Exons	7181..8397		
GI Descrip.	'2239089/emb|CAB06430| 2.0e-46 (Z84386) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_3288180_emb_CAB11466_ (Z98758) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	7261	End	7966
GI	none	Score	207
Exons	7261..7293, 7283..7468, 7336..7464, 7462..7821, 7466..7966, 7721..7951		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o3.tc	Method	TBLASTX:Cress
Start	7322	End	7612
GI	none	Score	178
Exons	7322..7543, 7417..7518, 7541..7612, 7543..7599		

Seq. No.	16569	Seq. ID	OJ990627_44.9C10.C4
Gene No.	34950	Strand	-
Start	7181	End	8397
Name	OJ990627_44.9C10.C4.o2.tc	Method	TBLASTX:Cress

Start	7649	End	7965
GI	none	Score	367
Exons	7649..7963, 7658..7960, 7864..7965		

Seq. No.	16570	Seq. ID	OJ990627_44.9C10.C5
Gene No.	34951	Strand	+
Start	476	End	1084
Name	OJ990627_44.9C10.C5.o1.np	Method	AAT/NAP
Start	476	End	1084
GI	2498930	Score	623
Exons	476..539, 709..1084		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16570	Seq. ID	OJ990627_44.9C10.C5
Gene No.	34951	Strand	+
Start	476	End	1084
Name	OJ990627_44.9C10.C5.o1.gs	Method	GENSCAN
Start	480	End	997
GI	none	Score	.9
Exons	480..539, 709..753, 759..997		

Seq. No.	16571	Seq. ID	OJ990627_44.9C10.C6
Gene No.	34952	Strand	+
Start	394	End	541
Name	OJ990627_44.9C10.C6.o1.gp	Method	AAT/GAP
Start	394	End	541
GI	12420_1.R1084	Score	242
Exons	394..541		
GI Descrip.	'4586449/dbj|BAA76393.1| 1.0e-35 (AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]'		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34953	Strand	+
Start	1	End	2602
Name	OJ990627_44.9C10.C7.o1.gp	Method	AAT/GAP
Start	1	End	626
GI	321_1.R1084	Score	1232
Exons	1..626		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-163 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34953	Strand	+
Start	1	End	2602
Name	OJ990627_44.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	337
GI	6166113	Score	592
Exons	1..337		
GI Descrip.	S-ADENOSYLMETHIONINE DECARBOXYLASE PROENZYME (ADOMETDC) (SAMDC) gi|3929545|gb|AAC79990.1| (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34953	Strand	+
Start	1	End	2602
Name	OJ990627_44.9C10.C7.o1.gs	Method	GENSCAN

Start	119	End	2602
GI	none	Score	.84
Exons	119..269, 1636..1695, 1879..2205, 2460..2602		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34954	Strand	+
Start	14096	End	17221
Name	OJ990627_44.9C10.C7.o4.gs	Method	GENSCAN
Start	14096	End	16747
GI	none	Score	.71
Exons	14096..14135, 14749..15014, 16210..16494, 16565..16747		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34954	Strand	+
Start	14096	End	17221
Name	OJ990627_44.9C10.C7.o4.np	Method	AAT/NAP
Start	14809	End	17221
GI	4406773	Score	942
Exons	14809..14969, 15071..15115, 15281..15336, 15441..15590, 15659..15760, 15947..16046, 16210..16494, 16565..16734, 17093..17221		
GI Descrip.	(AC006836) putative AAA-type ATPase [Arabidopsis thaliana]		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	1	End	558
GI	none	Score	269
Exons	1..183, 2..184, 2..184, 191..244, 203..259, 251..307, 297..380, 302..352, 399..434, 404..433, 405..458, 452..556, 519..557, 520..558, 543..557		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	1	End	196
GI	none	Score	144
Exons	1..192, 1..192, 2..196		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.gs	Method	GENSCAN
Start	3171	End	3899
GI	none	Score	.93
Exons	3171..3899		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	3177	End	6167
GI	none	Score	74
Exons	3177..3431, 3178..3309, 3549..3599, 3699..3875, 6030..6167		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.np	Method	AAT/NAP
Start	3177	End	6249
GI	4559371	Score	762
Exons	3177..3595, 3710..3875, 5025..5204, 6027..6249		
GI Descrip.	(AC006585) putative peroxidase [Arabidopsis thaliana]		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	3177	End	5204
GI	none	Score	68
Exons	3177..3437, 3196..3306, 3549..3599, 3699..3875, 5028..5129, 5154..5204		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.ts	Method	TBLASTX:Soybean
Start	3186	End	6167
GI	none	Score	63
Exons	3186..3446, 3549..3599, 3699..3872, 5031..5090, 5154..5207, 6027..6059, 6099..6167		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o3.gs	Method	GENSCAN
Start	4565	End	13190
GI	none	Score	.58
Exons	4565..4667, 4968..4987, 5025..5204, 6027..6164, 6181..6636, 6860..6887, 6995..7189, 7191..7295, 10891..11002, 11246..11377, 12082..12121, 12483..13190		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o3.tc	Method	TBLASTX:Cress
Start	5031	End	5207
GI	none	Score	134
Exons	5031..5207, 5032..5205		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o3.np	Method	AAT/NAP
Start	6150	End	15741
GI	100753	Score	294
Exons	6150..6631, 12758..13038, 15657..15741		
GI Descrip.	hydroxyproline-rich glycoprotein - sorghum gi|228939|prf||1814452D Hyp-rich glycoprotein [Sorghum bicolor]		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-

Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.gp	Method	AAT/GAP
Start	6410	End	6881
GI	3061096	Score	786
Exons	6410..6881		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	15065	End	17222
GI	none	Score	77
Exons	15065..15160, 15505..15582, 15505..15588, 15675..15722, 15675..15722, 15737..15757, 15945..16064, 16210..16320, 16351..16494, 16441..16485, 16559..16687, 16568..16687, 16582..16680, 17073..17222		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.tc	Method	TBLASTX:Cress
Start	15065	End	17222
GI	none	Score	77
Exons	15065..15160, 15505..15582, 15675..15722, 15945..16064, 15945..16058, 16210..16320, 16215..16319, 16342..16494, 16423..16485, 16559..16687, 16568..16687, 16579..16680, 16582..16680, 17073..17222		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	15945	End	16503
GI	none	Score	141
Exons	15945..16112, 15945..16046, 16208..16489, 16208..16351, 16209..16493, 16210..16503		

Seq. No.	16572	Seq. ID	OJ990627_44.9C10.C7
Gene No.	34955	Strand	-
Start	3171	End	17222
Name	OJ990627_44.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	16562	End	16737
GI	none	Score	197
Exons	16562..16687, 16562..16726, 16563..16736, 16564..16737		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34956	Strand	+
Start	1	End	4983
Name	OJ990627_44.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	1662
GI	1170504	Score	1373
Exons	1..71, 610..1662		
GI Descrip.	EUKARYOTIC INITIATION FACTOR (ISO)4F SUBUNIT P82 (IEIF-(ISO)4F P82) gi|452440 (M95747) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8

Gene No.	34956	Strand	+
Start	1	End	4983
Name	OJ990627_44.9C10.C8.o1.gs	Method	GENSCAN
Start	24	End	4983
GI	none	Score	.66
Exons	24..71, 610..988, 1127..1603, 1715..1821, 2948..3097, 3245..3327, 4653..4793, 4890..4983		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34956	Strand	+
Start	1	End	4983
Name	OJ990627_44.9C10.C8.o1.gp	Method	AAT/GAP
Start	879	End	1629
GI	9170_1.R1084	Score	1494
Exons	879..1629		
GI Descrip.	'322867/pir||A44452 5.0e-78 translation initiation factor eIF-4F isozyme form subunit p82 - wheat'		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34956	Strand	+
Start	1	End	4983
Name	OJ990627_44.9C10.C8.o2.np	Method	AAT/NAP
Start	3802	End	4977
GI	3452091	Score	331
Exons	3802..3967, 4673..4793, 4890..4977		
GI Descrip.	(AJ004899) rudimentary enhancer [Glycine max]		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34957	Strand	+
Start	9992	End	12056
Name	OJ990627_44.9C10.C8.o3.gs	Method	GENSCAN
Start	9992	End	12056
GI	none	Score	.61
Exons	9992..10119, 10325..10541, 10664..10756, 10995..11069, 11155..11507, 11921..12056		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34957	Strand	+
Start	9992	End	12056
Name	OJ990627_44.9C10.C8.o4.np	Method	AAT/NAP
Start	10013	End	11559
GI	2827535	Score	343
Exons	10013..10220, 10380..10567, 10635..10756, 10995..11069, 11155..11559		
GI Descrip.	(AL021633) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34957	Strand	+
Start	9992	End	12056
Name	OJ990627_44.9C10.C8.o2.gp	Method	AAT/GAP
Start	10463	End	11368
GI	LIB3434-003-P1-K1-F7	Score	803
Exons	10463..10567, 10664..10756, 10995..11069, 11155..11368		
GI Descrip.	'2827535/emb|CAA16543.1| 1.0e-16 (AL021633) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8

Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	2039
GI	none	Score	83
Exons	2..52, 2..52, 48..89, 48..71, 596..712, 607..735, 607..732, 660..734, 676..750, 735..803, 736..753, 740..805, 740..802, 791..976, 804..911, 805..1023, 813..830, 835..1023, 981..1040, 982..1038, 1069..1596, 1126..1608, 1269..1604, 1635..1667, 1635..1664, 1696..1767, 1710..1766, 1780..1845, 1791..1835, 1795..1869, 1825..1893, 1839..1889, 1839..1904, 1844..1927, 1893..1958, 1894..1950, 1961..2017, 1962..2039, 1967..2038, 1980..2018		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o3.tc	Method	TBLASTX:Cress
Start	2	End	885
GI	none	Score	69
Exons	2..52, 607..732, 660..731, 681..734, 682..741, 690..737, 768..803, 783..806, 786..872, 791..883, 791..850, 805..885, 813..884		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	2	End	984
GI	none	Score	71
Exons	2..52, 569..802, 576..803, 598..753, 783..983, 791..982, 805..984		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	2	End	1587
GI	none	Score	81
Exons	2..52, 48..89, 607..732, 660..713, 715..750, 726..749, 734..781, 734..802, 735..803, 783..884, 805..885, 807..884, 955..987, 1165..1587, 1269..1541		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	1165	End	1431
GI	none	Score	266
Exons	1165..1431, 1260..1430		

Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	3864	End	4976
GI	none	Score	70

Exons	3864..3968, 3864..3974, 3865..3969, 4651..4794, 4671..4799, 4692..4796, 4878..4976, 4891..4974		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o2.tc	Method	TBLASTX:Cress
Start	3874	End	4974
GI	none	Score	110
Exons	3874..3969, 3879..3968, 4651..4794, 4659..4793, 4891..4974, 4908..4973		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o4.tm	Method	TBLASTX:Maize
Start	4672	End	4976
GI	none	Score	195
Exons	4672..4794, 4672..4794, 4673..4795, 4674..4799, 4889..4966, 4891..4974, 4893..4976		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o2.gs	Method	GENSCAN
Start	5582	End	9624
GI	none	Score	.66
Exons	5582..6217, 6498..6668, 6773..6868, 6980..7239, 7335..7811, 8335..8410, 8544..8625, 8969..9011, 9257..9389, 9481..9624		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o2.tw	Method	TBLASTX:Wheat
Start	5606	End	5809
GI	none	Score	96
Exons	5606..5797, 5606..5809, 5607..5804		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o3.np	Method	AAT/NAP
Start	5699	End	7710
GI	6453870	Score	1153
Exons	5699..6295, 6498..6668, 6773..6868, 6980..7239, 7335..7710		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8
Gene No.	34958	Strand	-
Start	5582	End	9624
Name	OJ990627_44.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	5841	End	6853
GI	none	Score	286
Exons	5841..6293, 5873..6223, 6140..6298, 6472..6621, 6498..6635, 6525..6635, 6773..6853		
Seq. No.	16573	Seq. ID	OJ990627_44.9C10.C8

Gene No.	34959	Strand	
Start	10368	End	11247
Name	OJ990627_44.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	10368	End	11247
GI	none	Score	222
Exons	10368..10535, 10374..10502, 10376..10573, 10538..10567, 10661..10756, 10663..10755, 10993..11070, 10994..11071, 11028..11072, 11127..11246, 11155..11247		

Seq. No.	16574	Seq. ID	OJ990627_44.9C10.C9
Gene No.	34960	Strand	-
Start	1	End	4564
Name	OJ990627_44.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	3339
GI	951453	Score	968
Exons	1..194, 281..368, 503..600, 1187..1405, 1527..1622, 2447..2518, 3183..3339		
GI Descrip.	(M95746) initiation factor (iso)4f p82 subunit [Triticum aestivum]		

Seq. No.	16574	Seq. ID	OJ990627_44.9C10.C9
Gene No.	34960	Strand	-
Start	1	End	4564
Name	OJ990627_44.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	2521
GI	none	Score	268
Exons	1..195, 1..195, 3..197, 12..197, 279..377, 281..367, 493..603, 503..604, 1140..1373, 1175..1372, 1177..1395, 1524..1625, 1529..1624, 1539..1625, 2422..2520, 2435..2521, 2440..2520, 2447..2521		

Seq. No.	16574	Seq. ID	OJ990627_44.9C10.C9
Gene No.	34960	Strand	-
Start	1	End	4564
Name	OJ990627_44.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	1	End	600
GI	none	Score	223
Exons	1..192, 3..191, 9..197, 13..195, 281..367, 282..392, 493..594, 503..595, 505..600		

Seq. No.	16574	Seq. ID	OJ990627_44.9C10.C9
Gene No.	34960	Strand	-
Start	1	End	4564
Name	OJ990627_44.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	3	End	364
GI	none	Score	163
Exons	3..197, 7..195, 279..362, 281..364		

Seq. No.	16574	Seq. ID	OJ990627_44.9C10.C9
Gene No.	34960	Strand	-
Start	1	End	4564
Name	OJ990627_44.9C10.C9.o1.gs	Method	GENSCAN
Start	17	End	4564
GI	none	Score	.6
Exons	17..194, 281..368, 560..600, 1178..1399, 1527..1622, 2447..2518, 3193..3475, 3846..3942, 4142..4249, 4360..4564		

Seq. No.	16575	Seq. ID	OJ990627_44.9C10.C10
Gene No.	34961	Strand	+
Start	2232	End	2552
Name	OJ990627_44.9C10.C10.o2.gs	Method	GENSCAN
Start	2232	End	2552
GI	none	Score	.55
Exons	2232..2299, 2352..2418, 2445..2552		

Seq. No.	16575	Seq. ID	OJ990627_44.9C10.C10
Gene No.	34962	Strand	+
Start	3935	End	4228
Name	OJ990627_44.9C10.C10.o1.np	Method	AAT/NAP
Start	3935	End	4228
GI	544262	Score	103
Exons	3935..4228		
GI Descrip.	PISTIL-SPECIFIC EXTENSIN-LIKE PROTEIN PRECURSOR (PELP) gi|322761|pir||JQ1696 pistil extensin-like protein precursor (clone pMG15) - common tobacco gi|19929|emb|CAA78397| (Z14019) pistil extensin like protein [Nicotiana tabacum]		

Seq. No.	16575	Seq. ID	OJ990627_44.9C10.C10
Gene No.	34963	Strand	-
Start	173	End	647
Name	OJ990627_44.9C10.C10.o1.gs	Method	GENSCAN
Start	173	End	647
GI	none	Score	.59
Exons	173..529, 594..647		

Seq. No.	16575	Seq. ID	OJ990627_44.9C10.C10
Gene No.	34964	Strand	-
Start	3001	End	4196
Name	OJ990627_44.9C10.C10.o3.gs	Method	GENSCAN
Start	3001	End	4196
GI	none	Score	.42
Exons	3001..3089, 3214..3245, 4147..4196		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34965	Strand	+
Start	139	End	484
Name	OJ990627_44.9C10.C11.o1.gs	Method	GENSCAN
Start	139	End	484
GI	none	Score	.51
Exons	139..251, 297..484		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34966	Strand	+
Start	5098	End	5450
Name	OJ990627_44.9C10.C11.o1.gp	Method	AAT/GAP
Start	5098	End	5450
GI	2427594	Score	665
Exons	5098..5450		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34967	Strand	+
Start	10554	End	18807
Name	OJ990627_44.9C10.C11.o2.np	Method	AAT/NAP
Start	10554	End	18807

GI	3868853	Score	134
Exons	10554..10711, 15974..16040, 18528..18807		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34967	Strand	+
Start	10554	End	18807
Name	OJ990627_44.9C10.C11.o2.gp	Method	AAT/GAP
Start	15170	End	16051
GI	none	Score	1527
Exons	15170..15529, 15628..16051		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34967	Strand	+
Start	10554	End	18807
Name	OJ990627_44.9C10.C11.o5.gs	Method	GENSCAN
Start	15217	End	15881
GI	none	Score	.87
Exons	15217..15325, 15443..15529, 15628..15881		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34967	Strand	+
Start	10554	End	18807
Name	OJ990627_44.9C10.C11.o6.gs	Method	GENSCAN
Start	17999	End	18707
GI	none	Score	.94
Exons	17999..18122, 18244..18321, 18457..18707		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34968	Strand	+
Start	21262	End	23993
Name	OJ990627_44.9C10.C11.o8.gs	Method	GENSCAN
Start	21262	End	23993
GI	none	Score	.68
Exons	21262..21357, 22900..22950, 23156..23316, 23567..23867, 23943..23993		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34969	Strand	+
Start	26388	End	26721
Name	OJ990627_44.9C10.C11.o4.gp	Method	AAT/GAP
Start	26388	End	26721
GI	3107009	Score	138
Exons	26388..26408, 26629..26721		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34970	Strand	-
Start	4249	End	12276
Name	OJ990627_44.9C10.C11.o3.gs	Method	GENSCAN
Start	4249	End	12276
GI	none	Score	.48
Exons	4249..4487, 5257..5636, 6645..7111, 7184..7374, 7527..7895, 9221..9497, 9507..9784, 10054..10111, 10291..10469, 11537..11824, 12066..12276		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34970	Strand	-
Start	4249	End	12276
Name	OJ990627_44.9C10.C11.o1.np	Method	AAT/NAP
Start	6530	End	7884
GI	3386534	Score	980
Exons	6530..7111, 7184..7884		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34971	Strand	-
Start	13567	End	14328
Name	OJ990627_44.9C10.C11.o4.gs	Method	GENSCAN
Start	13567	End	14328
GI	none	Score	.97
Exons	13567..14328		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34972	Strand	-
Start	19210	End	19860
Name	OJ990627_44.9C10.C11.o7.gs	Method	GENSCAN
Start	19210	End	19860
GI	none	Score	.95
Exons	19210..19860		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34973	Strand	-
Start	21974	End	23863
Name	OJ990627_44.9C10.C11.o3.np	Method	AAT/NAP
Start	21974	End	23863
GI	6006359	Score	69
Exons	21974..22076, 23721..23863		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34973	Strand	-
Start	21974	End	23863
Name	OJ990627_44.9C10.C11.o3.gp	Method	AAT/GAP
Start	23306	End	23597
GI	69380_1.R1084	Score	221
Exons	23306..23334, 23453..23597		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34974	Strand	-
Start	27896	End	28224
Name	OJ990627_44.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	6746	End	7027
GI	none	Score	73
Exons	6746..6859, 6857..7018, 6863..7027, 6879..7022		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34974	Strand	-
Start	27896	End	28224
Name	OJ990627_44.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	23448	End	23606

GI	none	Score	105
Exons	23448..23504, 23452..23511, 23452..23505, 23500..23592, 23505..23591, 23508..23606		

Seq. No.	16576	Seq. ID	OJ990627_44.9C10.C11
Gene No.	34974	Strand	-
Start	27896	End	28224
Name	OJ990627_44.9C10.C11.o5.gp	Method	AAT/GAP
Start	27896	End	28224
GI	3107457	Score	470
Exons	27896..28224		

Seq. No.	16577	Seq. ID	OJ990627_44.9C10.C12
Gene No.	34975	Strand	+
Start	1265	End	3468
Name	OJ990627_44.9C10.C12.o1.gs	Method	GENSCAN
Start	1265	End	3468
GI	none	Score	.57
Exons	1265..1343, 2071..2117, 2683..2746, 3271..3359, 3439..3468		

Seq. No.	16578	Seq. ID	OJ990627_44.9C10.C13
Gene No.	34976	Strand	+
Start	95	End	529
Name	OJ990627_44.9C10.C13.o1.gs	Method	GENSCAN
Start	95	End	529
GI	none	Score	.84
Exons	95..130, 476..529		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34977	Strand	+
Start	4909	End	7009
Name	OJ990627_44.9C10.C14.o2.gp	Method	AAT/GAP
Start	4909	End	7009
GI	321_1.R1084	Score	2112
Exons	4909..5133, 6074..6223, 6307..7009		
GI Descrip.	'3929545/gb|AAC79990.1| 1.0e-163 (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]'		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34977	Strand	+
Start	4909	End	7009
Name	OJ990627_44.9C10.C14.o1.np	Method	AAT/NAP
Start	6089	End	6223
GI	2129921	Score	207
Exons	6089..6223		
GI Descrip.	hypothetical protein 1 - Madagascar periwinkle gi|758694 (U12573) putative [Catharanthus roseus]		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34977	Strand	+
Start	4909	End	7009
Name	OJ990627_44.9C10.C14.o2.gs	Method	GENSCAN
Start	6089	End	6972
GI	none	Score	.98
Exons	6089..6223, 6486..6972		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14

Gene No.	34977	Strand	+
Start	4909	End	7009
Name	OJ990627_44.9C10.C14.o2.np	Method	AAT/NAP
Start	6507	End	7009
GI	6166113	Score	830
Exons	6507..7009		
GI Descrip.	S-ADENOSYLMETHIONINE DECARBOXYLASE PROENZYME (ADOMETDC) (SAMDC) gi|3929545|gb|AAC79990.1| (AF067194) S-adenosylmethionine decarboxylase [Oryza sativa]		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-
Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.gs	Method	GENSCAN
Start	1637	End	5515
GI	none	Score	.68
Exons	1637..1724, 2561..2753, 3582..3791, 4752..4864, 4910..5046, 5513..5515		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-
Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.gp	Method	AAT/GAP
Start	3502	End	3800
GI	3759940	Score	517
Exons	3502..3800		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-
Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	5048	End	7009
GI	none	Score	41
Exons	5048..5089, 5049..5090, 5079..5114, 5080..5115, 6075..6113, 6076..6111, 6114..6224, 6131..6211, 6299..6463, 6301..6471, 6306..6392, 6310..6438, 6365..6463, 6521..7009, 6537..7007, 6764..7009		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-
Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	6048	End	6995
GI	none	Score	94
Exons	6048..6176, 6080..6229, 6090..6176, 6130..6234, 6540..6995, 6542..6940, 6546..6995		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-
Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	6065	End	7004
GI	none	Score	153
Exons	6065..6262, 6081..6221, 6130..6258, 6542..7003, 6543..7004		

Seq. No.	16579	Seq. ID	OJ990627_44.9C10.C14
Gene No.	34978	Strand	-

Start	1637	End	7009
Name	OJ990627_44.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	6075	End	7009
GI	none	Score	53
Exons	6075..6113, 6082..6111, 6109..6234, 6114..6221, 6137..6253, 6286..6369, 6305..6367, 6310..6369, 6367..6411, 6371..6412, 6380..7009, 6412..6438, 6413..6469, 6464..6700, 6486..7007, 6764..7009		

Seq. No.	16580	Seq. ID	OJ990527_41.9C17.C1
Gene No.	34979	Strand	-
Start	592	End	1617
Name	OJ990527_41.9C17.C1.o1.gs	Method	GENSCAN
Start	592	End	1617
GI	none	Score	.69
Exons	592..603, 715..794, 1051..1171, 1297..1617		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.gp	Method	AAT/GAP
Start	835	End	4250
GI	7710_1.R1084	Score	3191
Exons	835..1398, 2013..2088, 2193..2281, 2395..2512, 2599..2702, 2779..2937, 3074..3298, 3370..3681, 3970..4250		
GI Descrip.	'231587/sp|Q01859|ATP2_ORYSA 0.0e+00 ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR >gi_283001_pir__S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice >gi_218147_dbj_BAA01372_ (D10491) mitochondrial F1-ATPase [Oryza sativa]'		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	931	End	4092
GI	none	Score	45
Exons	931..969, 1027..1062, 1029..1061, 1140..1400, 1147..1401, 1970..2092, 1989..2108, 2189..2284, 2189..2281, 2194..2283, 2394..2513, 2410..2514, 2597..2623, 2598..2702, 2599..2697, 2647..2703, 2727..2933, 2774..2941, 2775..2849, 2776..2937, 2870..2980, 3035..3301, 3071..3115, 3073..3303, 3338..3682, 3355..3681, 3357..3716, 3360..3683, 3935..4015, 3967..4092, 3969..4082		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.gs	Method	GENSCAN
Start	937	End	13485
GI	none	Score	.78
Exons	937..1320, 2013..2088, 2193..2281, 2395..2512, 2599..2702, 2779..2937, 3074..3298, 3370..3681, 3970..4070, 4804..4977, 5074..5167, 5260..5466, 6097..6345, 6449..6658, 6730..6894, 7009..7168, 7608..7724, 8650..9017, 9488..9604, 11654..11710, 13159..13485		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.np	Method	AAT/NAP
Start	937	End	4080
GI	231587	Score	2491
Exons	937..1398, 2013..2088, 2193..2281, 2395..2512, 2599..2702, 2779..2937, 3074..3298, 3370..3681, 3970..4080		
GI Descrip.	ATP SYNTHASE BETA CHAIN, MITOCHONDRIAL PRECURSOR gi|283001|pir||S25304 H+-transporting ATP synthase (EC 3.6.1.34) beta chain precursor, mitochondrial - rice gi|218147|dbj|BAA01372.1| (D10491) mitochondrial F1-ATPase [Oryza sativa]		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	1140	End	4067
GI	none	Score	98
Exons	1140..1229, 1150..1230, 1227..1400, 1228..1401, 2012..2095, 2013..2108, 2189..2284, 2206..2283, 2394..2513, 2410..2514, 2598..2702, 2598..2702, 2775..2846, 2775..2942, 2776..2937, 2910..2945, 3035..3283, 3070..3282, 3355..3681, 3357..3683, 3357..3716, 3967..4029, 3969..4067		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	1140	End	4076
GI	none	Score	381
Exons	1140..1400, 1147..1401, 1970..2095, 1989..2108, 2189..2284, 2206..2283, 2393..2452, 2394..2513, 2410..2514, 2598..2702, 2599..2694, 2678..2701, 2774..2932, 2775..2846, 2775..2933, 2776..2937, 2776..2937, 3035..3301, 3073..3303, 3355..3681, 3357..3716, 3967..4029, 3969..4049, 3981..4049, 4044..4076		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	1338	End	2873
GI	none	Score	82
Exons	1338..1400, 1339..1401, 1989..2108, 2013..2087, 2015..2116, 2189..2284, 2189..2281, 2203..2283, 2394..2510, 2394..2513, 2410..2514, 2598..2702, 2599..2703, 2771..2872, 2775..2846, 2775..2873, 2776..2871		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o4.tw	Method	TBLASTX:Wheat
Start	2875	End	3199
GI	none	Score	108
Exons	2875..2937, 2875..2985, 3035..3199, 3070..3198		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o2.tw	Method	TBLASTX:Wheat
Start	3358	End	4028
GI	none	Score	512
Exons	3358..3681, 3360..3701, 3967..4026, 3969..4028		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o2.np	Method	AAT/NAP
Start	5096	End	8303
GI	4455199	Score	756
Exons	5096..5167, 5260..5457, 6060..6345, 6449..6658, 6739..6894, 7009..7175, 7615..7759, 7844..7966, 8244..8303		
GI Descrip.	(AL035440) putative protein [Arabidopsis thaliana]		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o3.tc	Method	TBLASTX:Cress
Start	5102	End	5457
GI	none	Score	42
Exons	5102..5167, 5254..5457		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o2.ts	Method	TBLASTX:Soybean
Start	5120	End	5466
GI	none	Score	49
Exons	5120..5170, 5254..5466, 5262..5453		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o4.tm	Method	TBLASTX:Maize
Start	5132	End	5454
GI	none	Score	42
Exons	5132..5170, 5254..5454		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o5.tm	Method	TBLASTX:Maize
Start	6138	End	6649
GI	none	Score	185
Exons	6138..6284, 6142..6345, 6143..6352, 6145..6285, 6575..6649		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o3.tm	Method	TBLASTX:Maize
Start	6455	End	8100
GI	none	Score	113
Exons	6455..6571, 6730..6888, 7586..7759, 7606..7713, 7835..7930,		

7835..7930, 7843..7935, 8026..8100, 8028..8099

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o2.tc	Method	TBLASTX:Cress
Start	7603	End	8405
GI	none	Score	182
Exons	7603..7713, 7604..7759, 7610..7756, 7835..7933, 7843..7932, 8022..8096, 8023..8100, 8352..8405		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o3.ts	Method	TBLASTX:Soybean
Start	7685	End	8100
GI	none	Score	106
Exons	7685..7759, 7688..7756, 7835..7930, 7836..7934, 7843..7929, 8026..8100, 8028..8099		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o3.np	Method	AAT/NAP
Start	10523	End	12517
GI	4522005	Score	41
Exons	10523..10723, 12474..12517		
GI Descrip.	(AC007069) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o2.tm	Method	TBLASTX:Maize
Start	12980	End	13258
GI	none	Score	195
Exons	12980..13108, 12987..13109, 13100..13258		

Seq. No.	16581	Seq. ID	OJ990527_41.9C17.C2
Gene No.	34980	Strand	+
Start	835	End	13485
Name	OJ990527_41.9C17.C2.o3.tw	Method	TBLASTX:Wheat
Start	12989	End	13339
GI	none	Score	132
Exons	12989..13108, 12993..13112, 13106..13177, 13292..13339		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34981	Strand	+
Start	1381	End	3642
Name	OJ990527_41.9C17.C3.o1.gs	Method	GENSCAN
Start	1381	End	3642
GI	none	Score	.56
Exons	1381..1862, 3274..3286, 3496..3642		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34982	Strand	+
Start	6598	End	7110

Name	OJ990527_41.9C17.C3.o2.gs	Method	GENSCAN
Start	6598	End	7110
GI	none	Score	.79
Exons	6598..6751, 7016..7110		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34983	Strand	+
Start	11572	End	13011
Name	OJ990527_41.9C17.C3.o1.np	Method	AAT/NAP
Start	11527	End	12948
GI	2244906	Score	752
Exons	11527..12948		
GI Descrip.	(Z97339) indole-3-acetate beta-glucosyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34983	Strand	+
Start	11572	End	13011
Name	OJ990527_41.9C17.C3.o4.gs	Method	GENSCAN
Start	11572	End	13011
GI	none	Score	.71
Exons	11572..13011		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34984	Strand	-
Start	8813	End	10088
Name	OJ990527_41.9C17.C3.o3.gs	Method	GENSCAN
Start	8813	End	10088
GI	none	Score	.79
Exons	8813..8915, 9519..9585, 9833..9928, 10043..10088		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	11545	End	12918
GI	none	Score	70
Exons	11545..11592, 11770..12015, 12181..12231, 12355..12504, 12546..12746, 12547..12753, 12814..12918, 12837..12917		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	11548	End	12924
GI	none	Score	62
Exons	11548..11664, 11789..11821, 11824..11991, 12346..12519, 12361..12489, 12555..12770, 12556..12747, 12799..12924		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o4.tm	Method	TBLASTX:Maize
Start	11548	End	11991
GI	none	Score	65
Exons	11548..11592, 11716..11745, 11797..11991, 11808..11960		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	12181	End	12810
GI	none	Score	49
Exons	12181..12273, 12352..12510, 12361..12510, 12562..12810, 12568..12729, 12570..12758		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	12454	End	12785
GI	none	Score	59
Exons	12454..12495, 12555..12785, 12556..12777		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o5.gs	Method	GENSCAN
Start	14337	End	16016
GI	none	Score	.49
Exons	14337..14411, 14662..14758, 14976..15088, 15124..15884, 15986..16016		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o2.np	Method	AAT/NAP
Start	15112	End	16138
GI	4514637	Score	886
Exons	15112..15884, 15986..16138		
GI Descrip.	(AB021176) root cap protein 2 [Zea mays]		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o3.tm	Method	TBLASTX:Maize
Start	15229	End	15402
GI	none	Score	140
Exons	15229..15402, 15230..15400		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o2.tc	Method	TBLASTX:Cress
Start	15260	End	16046
GI	none	Score	105
Exons	15260..15478, 15280..15540, 15550..15654, 15805..15822, 15827..15883, 15829..15885, 16011..16046		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o2.ts	Method	TBLASTX:Soybean
Start	15310	End	15540

GI	none	Score	95
Exons	15310..15540, 15332..15487		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	15485	End	16046
GI	none	Score	61
Exons	15485..15640, 15715..15873, 15716..15922, 15987..16046		

Seq. No.	16582	Seq. ID	OJ990527_41.9C17.C3
Gene No.	34985	Strand	-
Start	14337	End	16138
Name	OJ990527_41.9C17.C3.o2.tw	Method	TBLASTX:Wheat
Start	15757	End	16052
GI	none	Score	107
Exons	15757..15873, 15758..15874, 15966..16052		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34986	Strand	+
Start	3490	End	8697
Name	OJ990527_41.9C17.C4.o1.np	Method	AAT/NAP
Start	3490	End	8697
GI	6899648	Score	1137
Exons	3490..3696, 5042..5066, 5174..5265, 5582..5763, 5940..6012, 6122..6190, 6279..6352, 6427..6580, 7022..7062, 7179..7325, 7407..7891, 8624..8697		
GI Descrip.	(AC012189) Contains Thioredoxin domain PF|00085. ESTs gb|T42351, gb|AA042405 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34986	Strand	+
Start	3490	End	8697
Name	OJ990527_41.9C17.C4.o1.gp	Method	AAT/GAP
Start	3560	End	6459
GI	90901_1.R1084	Score	1139
Exons	3560..3696, 5042..5066, 5174..5265, 5582..5763, 5940..6012, 6122..6190, 6279..6352, 6427..6459		
GI Descrip.	'1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34986	Strand	+
Start	3490	End	8697
Name	OJ990527_41.9C17.C4.o2.gp	Method	AAT/GAP
Start	7731	End	8324
GI	4716757	Score	841
Exons	7731..7844, 7990..8324		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34987	Strand	+
Start	10893	End	14853
Name	OJ990527_41.9C17.C4.o2.np	Method	AAT/NAP
Start	10893	End	14853
GI	4388818	Score	2638

Exons	10893..14853		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34987	Strand	+
Start	10893	End	14853
Name	OJ990527_41.9C17.C4.o3.gp	Method	AAT/GAP
Start	12164	End	12600
GI	2428449	Score	826
Exons	12164..12600		
GI Descrip.	4388818/gb|AAD19773| 3.0e-40 (AC006528) putative pol polyprotein with a Zn-finger CCHC type domain (prosite:QDOC50158) and a DDE integrase signature motif [Arabidopsis thaliana]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34987	Strand	+
Start	10893	End	14853
Name	OJ990527_41.9C17.C4.o4.gp	Method	AAT/GAP
Start	13648	End	13890
GI	1621494	Score	446
Exons	13648..13890		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34988	Strand	+
Start	16455	End	16790
Name	OJ990527_41.9C17.C4.o3.gs	Method	GENSCAN
Start	16455	End	16790
GI	none	Score	.94
Exons	16455..16790		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34989	Strand	+
Start	20615	End	23051
Name	OJ990527_41.9C17.C4.o5.gp	Method	AAT/GAP
Start	20615	End	20986
GI	uC-osflcyp172d01b1	Score	728
Exons	20615..20986		
GI Descrip.	'1346109/sp|P49027|GBLP_ORYSA 1.0e-43 GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (GPB-LR) (RWD) >gi_540535_dbj_BAA07404_ (D38231) RWD [Oryza sativa]'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34989	Strand	+
Start	20615	End	23051
Name	OJ990527_41.9C17.C4.o5.np	Method	AAT/NAP
Start	20650	End	22746
GI	1346109	Score	1430
Exons	20650..21546, 22636..22746		
GI Descrip.	GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (GPB-LR) (RWD) gi|540535|dbj|BAA07404| (D38231) RWD [Oryza sativa]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34989	Strand	+

Start	20615	End	23051
Name	OJ990527_41.9C17.C4.o6.gp	Method	AAT/GAP
Start	21210	End	23051
GI	38014_1.R1084	Score	1447
Exons	21210..21546, 22636..23051		
GI Descrip.	'1346109/sp|P49027|GBLP_ORYSA 3.0e-54 GUANINE NUCLEOTIDE-BINDING PROTEIN BETA SUBUNIT-LIKE PROTEIN (GPB-LR) (RWD) >gi_540535_dbj_BAA07404_ (D38231) RWD [Oryza sativa]'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34990	Strand	+
Start	23693	End	24043
Name	OJ990527_41.9C17.C4.o7.gp	Method	AAT/GAP
Start	23693	End	24043
GI	none	Score	679
Exons	23693..24043		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34991	Strand	+
Start	30154	End	35456
Name	OJ990527_41.9C17.C4.o7.gs	Method	GENSCAN
Start	30154	End	35456
GI	none	Score	.6
Exons	30154..31579, 31785..31810, 32077..32748, 34605..34727, 34974..35456		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34992	Strand	+
Start	36551	End	42709
Name	OJ990527_41.9C17.C4.o6.np	Method	AAT/NAP
Start	36381	End	42709
GI	6692258	Score	918
Exons	36381..36571, 36789..37297, 37518..37995, 38094..38226, 38828..38994, 39040..39197, 39357..39513, 39591..39883, 39999..40048, 42685..42709		
GI Descrip.	(AC010870) unknown protein [Arabidopsis thaliana]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34992	Strand	+
Start	36551	End	42709
Name	OJ990527_41.9C17.C4.o8.gs	Method	GENSCAN
Start	36551	End	40776
GI	none	Score	.99
Exons	36551..37297, 37518..37995, 38094..38224, 38853..39197, 39357..39513, 39591..39883, 39999..40058, 40515..40604, 40681..40776		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34993	Strand	+
Start	42695	End	42889
Name	OJ990527_41.9C17.C4.o10.gs	Method	GENSCAN
Start	42695	End	42889
GI	none	Score	.82
Exons	42695..42889		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34994	Strand	+

Start	42995	End	47376
Name	OJ990527_41.9C17.C4.o11.gs	Method	GENSCAN
Start	42995	End	47376
GI	none	Score	.41
Exons	42995..43028, 43096..43238, 43307..43355, 43523..43751, 45322..45355, 47206..47376		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34994	Strand	+
Start	42995	End	47376
Name	OJ990527_41.9C17.C4.o9.gp	Method	AAT/GAP
Start	45753	End	45836
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	45753..45836		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34994	Strand	+
Start	42995	End	47376
Name	OJ990527_41.9C17.C4.o10.gp	Method	AAT/GAP
Start	46839	End	46926
GI	LIB3477-003-P1-K1-E9	Score	114
Exons	46839..46926		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34995	Strand	-
Start	13	End	151
Name	OJ990527_41.9C17.C4.o1.gs	Method	GENSCAN
Start	13	End	151
GI	none	Score	.45
Exons	13..151		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34996	Strand	-
Start	16362	End	18922
Name	OJ990527_41.9C17.C4.o4.np	Method	AAT/NAP
Start	16362	End	18880
GI	3461820	Score	176
Exons	16362..16435, 17574..17833, 18000..18105, 18168..18280, 18381..18452, 18689..18880		
GI Descrip.	(AC004138) unknown protein [Arabidopsis thaliana]		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34996	Strand	-
Start	16362	End	18922
Name	OJ990527_41.9C17.C4.o4.gs	Method	GENSCAN
Start	17448	End	18922
GI	none	Score	.45
Exons	17448..17603, 17653..17745, 18004..18130, 18381..18452, 18642..18922		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4

Gene No.	34997	Strand	-
Start	41269	End	41695
Name	OJ990527_41.9C17.C4.o9.gs	Method	GENSCAN
Start	41269	End	41695
GI	none	Score	.46
Exons	41269..41376, 41570..41695		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34997	Strand	-
Start	41269	End	41695
Name	OJ990527_41.9C17.C4.o8.gp	Method	AAT/GAP
Start	41347	End	41676
GI	LIB3431-002-P1-N1-A10	Score	653
Exons	41347..41676		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o7.tc	Method	TBLASTX:Cress
Start	3605	End	6196
GI	none	Score	88
Exons	3605..3694, 5043..5066, 5171..5209, 5209..5268, 5551..5751, 5579..5758, 6122..6196		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o13.tm	Method	TBLASTX:Maize
Start	5214	End	5763
GI	none	Score	82
Exons	5214..5285, 5215..5268, 5594..5656, 5600..5758, 5602..5751, 5605..5763, 5714..5758		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o2.ts	Method	TBLASTX:Soybean
Start	5675	End	7679
GI	none	Score	103
Exons	5675..5758, 6128..6193, 6282..6353, 6424..6468, 6425..6469, 6514..6591, 6548..6589, 7022..7060, 7206..7325, 7207..7323, 7220..7324, 7401..7679, 7405..7677		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o8.tm	Method	TBLASTX:Maize
Start	5945	End	6591
GI	none	Score	72
Exons	5945..6013, 5945..6025, 5947..6015, 6119..6193, 6122..6193, 6166..6195, 6265..6354, 6276..6368, 6277..6375, 6424..6519, 6425..6538, 6425..6526, 6548..6589, 6551..6580, 6553..6591		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-

Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o2.tm	Method	TBLASTX:Maize
Start	7001	End	7878
GI	none	Score	53
Exons	7001..7060, 7022..7069, 7175..7324, 7176..7325, 7177..7323, 7179..7325, 7401..7592, 7405..7590, 7599..7697, 7600..7698, 7620..7700, 7690..7848, 7716..7850, 7719..7847, 7831..7878		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o3.tc	Method	TBLASTX:Cress
Start	7171	End	7583
GI	none	Score	96
Exons	7171..7296, 7176..7298, 7176..7307, 7177..7308, 7401..7583, 7405..7581		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o7.ts	Method	TBLASTX:Soybean
Start	7716	End	7892
GI	none	Score	189
Exons	7716..7877, 7738..7881, 7764..7892		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o14.tm	Method	TBLASTX:Maize
Start	9289	End	9701
GI	none	Score	146
Exons	9289..9507, 9513..9701		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o4.tw	Method	TBLASTX:Wheat
Start	9415	End	9797
GI	none	Score	102
Exons	9415..9498, 9417..9497, 9424..9507, 9501..9632, 9545..9628, 9549..9635, 9620..9793, 9627..9797		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o3.tw	Method	TBLASTX:Wheat
Start	11197	End	11622
GI	none	Score	182
Exons	11197..11349, 11217..11342, 11329..11439, 11344..11433, 11346..11438, 11431..11502, 11442..11483, 11456..11551, 11551..11622, 11569..11622		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o2.tw	Method	TBLASTX:Wheat
Start	12327	End	12936

GI	none	Score	338
Exons	12327..12737, 12328..12777, 12777..12857, 12874..12936		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o7.tm	Method	TBLASTX:Maize
Start	12373	End	12999
GI	none	Score	72
Exons	12373..12438, 12439..12876, 12585..12875, 12874..12999		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o5.ts	Method	TBLASTX:Soybean
Start	12547	End	12999
GI	none	Score	287
Exons	12547..12876, 12556..12801, 12576..12806, 12862..12999		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o4.tc	Method	TBLASTX:Cress
Start	12565	End	13002
GI	none	Score	191
Exons	12565..12858, 12873..13001, 12874..13002		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o6.tw	Method	TBLASTX:Wheat
Start	13212	End	13490
GI	none	Score	323
Exons	13212..13361, 13222..13485, 13431..13490		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o6.tm	Method	TBLASTX:Maize
Start	13486	End	13917
GI	none	Score	349
Exons	13486..13587, 13489..13917, 13524..13784		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o6.tc	Method	TBLASTX:Cress
Start	13489	End	13695
GI	none	Score	204
Exons	13489..13695, 13489..13695		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	13491	End	14271
GI	none	Score	79

Exons	13491..13757, 13492..13800, 13533..13796, 13837..14271, 13893..14027, 13966..14103, 14154..14252		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o3.ts	Method	TBLASTX:Soybean
Start	13513	End	13902
GI	none	Score	387
Exons	13513..13902, 13533..13808, 13534..13857, 13535..13864		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o5.tm	Method	TBLASTX:Maize
Start	13920	End	14366
GI	none	Score	129
Exons	13920..14012, 13921..14079, 14055..14366, 14056..14361		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o5.tc	Method	TBLASTX:Cress
Start	14245	End	14844
GI	none	Score	58
Exons	14245..14373, 14368..14472, 14473..14619, 14635..14844		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o8.tw	Method	TBLASTX:Wheat
Start	14385	End	14820
GI	none	Score	171
Exons	14385..14576, 14398..14601, 14620..14820, 14629..14760		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o3.tm	Method	TBLASTX:Maize
Start	14422	End	14848
GI	none	Score	557
Exons	14422..14844, 14424..14846, 14603..14848		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o6.ts	Method	TBLASTX:Soybean
Start	14446	End	14844
GI	none	Score	310
Exons	14446..14721, 14448..14729, 14731..14844		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o10.tm	Method	TBLASTX:Maize
Start	15288	End	15665
GI	none	Score	266

Exons	15288..15665, 15308..15451, 15491..15643		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o5.tw	Method	TBLASTX:Wheat
Start	15306	End	15701
GI	none	Score	292
Exons	15306..15626, 15311..15634, 15627..15701		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o7.tw	Method	TBLASTX:Wheat
Start	16068	End	16460
GI	none	Score	307
Exons	16068..16460, 16077..16280, 16091..16456		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	20617	End	22734
GI	none	Score	152
Exons	20617..20811, 20664..20810, 20725..20799, 20845..21117, 20847..20933, 20866..20979, 20926..21090, 20962..21090, 20994..21116, 21001..21063, 21049..21087, 21061..21117, 21154..21534, 21156..21329, 21175..21246, 21199..21288, 21202..21366, 21208..21531, 21265..21378, 22615..22734, 22644..22718		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	20644	End	22819
GI	none	Score	205
Exons	20644..20802, 20664..20801, 20815..21549, 20847..20936, 20991..21116, 21058..21156, 21153..21545, 21322..21546, 22635..22670, 22636..22671, 22671..22733, 22671..22736, 22672..22737, 22672..22737, 22790..22819		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	20665	End	22734
GI	none	Score	141
Exons	20665..20796, 20676..20807, 20695..20760, 20725..20799, 20749..20832, 20845..21117, 20845..20940, 20847..21116, 20866..20979, 20926..21090, 20962..21090, 21154..21531, 21156..21329, 21199..21240, 21202..21366, 21259..21378, 21322..21531, 22636..22734, 22644..22718		
Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919

Name	OJ990527_41.9C17.C4.o15.tm	Method	TBLASTX:Maize
Start	23702	End	24046
GI	none	Score	40
Exons	23702..23746, 23713..23868, 23747..23869, 23876..23893, 23987..24046		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o9.tm	Method	TBLASTX:Maize
Start	24173	End	24616
GI	none	Score	115
Exons	24173..24268, 24178..24267, 24320..24430, 24460..24537, 24461..24517, 24539..24616, 24547..24606		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o12.tm	Method	TBLASTX:Maize
Start	31057	End	31587
GI	none	Score	54
Exons	31057..31203, 31213..31281, 31213..31281, 31285..31311, 31311..31583, 31315..31581, 31381..31587		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o11.tm	Method	TBLASTX:Maize
Start	37773	End	37997
GI	none	Score	265
Exons	37773..37997, 37805..37996		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o2.tc	Method	TBLASTX:Cress
Start	38864	End	40058
GI	none	Score	182
Exons	38864..39148, 38865..39002, 39048..39197, 39357..39515, 39374..39412, 39399..39503, 39587..39883, 39588..39728, 39589..39885, 39589..39789, 39783..39884, 39829..39897, 39996..40058, 39998..40045		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o4.ts	Method	TBLASTX:Soybean
Start	39048	End	39883
GI	none	Score	79
Exons	39048..39194, 39357..39515, 39568..39789, 39584..39883, 39590..39808		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o4.tm	Method	TBLASTX:Maize
Start	39346	End	39822

GI	none	Score	170
Exons	39346..39513, 39366..39515, 39366..39506, 39367..39513, 39587..39799, 39589..39789, 39592..39822		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o9.tw	Method	TBLASTX:Wheat
Start	39348	End	39762
GI	none	Score	122
Exons	39348..39515, 39568..39762, 39584..39760		

Seq. No.	16583	Seq. ID	OJ990527_41.9C17.C4
Gene No.	34998	Strand	-
Start	50815	End	53919
Name	OJ990527_41.9C17.C4.o12.gs	Method	GENSCAN
Start	50815	End	53919
GI	none	Score	.56
Exons	50815..50925, 52369..52464, 52554..52679, 53560..53728, 53852..53919		

Seq. No.	16584	Seq. ID	OJ990527_41.9C17.C5
Gene No.	34999	Strand	+
Start	1481	End	2773
Name	OJ990527_41.9C17.C5.o1.np	Method	AAT/NAP
Start	1481	End	2773
GI	6553935	Score	534
Exons	1481..1671, 1930..2773		
GI Descrip.	(AC011915) putative tRNA isopentenyl transferase [Arabidopsis thaliana]		

Seq. No.	16584	Seq. ID	OJ990527_41.9C17.C5
Gene No.	34999	Strand	+
Start	1481	End	2773
Name	OJ990527_41.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	1928	End	2277
GI	none	Score	177
Exons	1928..2122, 1946..2125, 2201..2251, 2203..2277		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35000	Strand	+
Start	4107	End	6981
Name	OJ990527_41.9C17.C6.o2.gs	Method	GENSCAN
Start	4107	End	6981
GI	none	Score	.99
Exons	4107..4247, 6851..6865, 6886..6981		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35001	Strand	+
Start	7585	End	8668
Name	OJ990527_41.9C17.C6.o3.gs	Method	GENSCAN
Start	7585	End	8668
GI	none	Score	.83
Exons	7585..8142, 8260..8319, 8654..8668		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35002	Strand	+

Start	10998	End	11139
Name	OJ990527_41.9C17.C6.o2.np	Method	AAT/NAP
Start	10998	End	11139
GI	5777623	Score	172
Exons	10998..11139		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35003	Strand	-
Start	2302	End	3798
Name	OJ990527_41.9C17.C6.o1.gs	Method	GENSCAN
Start	2302	End	3798
GI	none	Score	.61
Exons	2302..2373, 2459..2608, 3093..3155, 3256..3798		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35003	Strand	-
Start	2302	End	3798
Name	OJ990527_41.9C17.C6.o1.gp	Method	AAT/GAP
Start	2698	End	3137
GI	4715238	Score	659
Exons	2698..3009, 3093..3137		

Seq. No.	16585	Seq. ID	OJ990527_41.9C17.C6
Gene No.	35004	Strand	-
Start	9925	End	11206
Name	OJ990527_41.9C17.C6.o4.gs	Method	GENSCAN
Start	9925	End	11206
GI	none	Score	.66
Exons	9925..10106, 11071..11206		

Seq. No.	16586	Seq. ID	OJ990527_41.9C17.C7
Gene No.	35005	Strand	+
Start	1107	End	2677
Name	OJ990527_41.9C17.C7.o1.gs	Method	GENSCAN
Start	1107	End	2677
GI	none	Score	.79
Exons	1107..1269, 1854..2138, 2179..2226, 2604..2677		

Seq. No.	16586	Seq. ID	OJ990527_41.9C17.C7
Gene No.	35006	Strand	-
Start	926	End	4939
Name	OJ990527_41.9C17.C7.o2.np	Method	AAT/NAP
Start	926	End	4939
GI	4680186	Score	223
Exons	926..1179, 2010..2190, 2663..2724, 4749..4939		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16586	Seq. ID	OJ990527_41.9C17.C7
Gene No.	35006	Strand	-
Start	926	End	4939
Name	OJ990527_41.9C17.C7.o1.np	Method	AAT/NAP
Start	985	End	4939
GI	4680183	Score	195
Exons	985..1074, 1681..1751, 4914..4939		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16586	Seq. ID	OJ990527_41.9C17.C7
Gene No.	35006	Strand	-
Start	926	End	4939
Name	OJ990527_41.9C17.C7.o2.gs	Method	GENSCAN
Start	3164	End	4752
GI	none	Score	.57
Exons	3164..3435, 4212..4272, 4627..4752		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35007	Strand	+
Start	123	End	1281
Name	OJ990527_41.9C17.C8.o1.gs	Method	GENSCAN
Start	123	End	1281
GI	none	Score	.85
Exons	123..516, 741..965, 1124..1281		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35007	Strand	+
Start	123	End	1281
Name	OJ990527_41.9C17.C8.o1.gp	Method	AAT/GAP
Start	627	End	985
GI	2799559	Score	557
Exons	627..985		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35008	Strand	+
Start	5444	End	6653
Name	OJ990527_41.9C17.C8.o3.gs	Method	GENSCAN
Start	5444	End	6653
GI	none	Score	.89
Exons	5444..5658, 5921..6653		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35009	Strand	-
Start	2228	End	5133
Name	OJ990527_41.9C17.C8.o2.gs	Method	GENSCAN
Start	2228	End	5133
GI	none	Score	.61
Exons	2228..2387, 4214..4332, 4771..5133		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35010	Strand	
Start	6173	End	6526
Name	OJ990527_41.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	6173	End	6526
GI	none	Score	184
Exons	6173..6319, 6180..6365, 6213..6368, 6479..6526, 6480..6524		

Seq. No.	16587	Seq. ID	OJ990527_41.9C17.C8
Gene No.	35010	Strand	
Start	6173	End	6526
Name	OJ990527_41.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	6174	End	6448
GI	none	Score	329
Exons	6174..6446, 6176..6448		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9

Gene No.	35011	Strand	+
Start	3618	End	10698
Name	OJ990527_41.9C17.C9.o2.gs	Method	GENSCAN
Start	3618	End	10698
GI	none	Score	.82
Exons	3618..3765, 6882..7126, 7185..7303, 7455..7539, 7923..9635, 9752..9827, 10001..10698		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35011	Strand	+
Start	3618	End	10698
Name	OJ990527_41.9C17.C9.o1.gp	Method	AAT/GAP
Start	6562	End	6999
GI	2427623	Score	815
Exons	6562..6999		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35011	Strand	+
Start	3618	End	10698
Name	OJ990527_41.9C17.C9.o2.gp	Method	AAT/GAP
Start	8470	End	8919
GI	none	Score	839
Exons	8470..8919		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35012	Strand	-
Start	335	End	2091
Name	OJ990527_41.9C17.C9.o1.gs	Method	GENSCAN
Start	335	End	2091
GI	none	Score	.44
Exons	335..492, 2013..2091		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35013	Strand	-
Start	10298	End	10754
Name	OJ990527_41.9C17.C9.o3.gp	Method	AAT/GAP
Start	10298	End	10754
GI	none	Score	910
Exons	10298..10754		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o4.gp	Method	AAT/GAP
Start	11916	End	12904
GI	60029_1.R1084	Score	1131
Exons	11916..12199, 12277..12348, 12510..12569, 12662..12904		
GI Descrip.	'5882747/gb|AAD55300.1|AC008263_31 2.0e-42 (AC008263) Similar to gb_AF049930 PGP237-11 from Petunia x hybrida and contains a PF_00097 Zinc (RING) finger domain. [Arabidopsis thaliana]'		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o3.gs	Method	GENSCAN
Start	12065	End	17364
GI	none	Score	.73

Exons	12065..12199, 12277..12388, 13005..13142, 13664..13885, 14001..14172, 14829..15842, 16127..16295, 16396..16621, 16979..17364		
Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	12077	End	14072
GI	none	Score	148
Exons	12077..12205, 12087..12200, 12277..12345, 12277..12378, 12501..12575, 12508..12588, 12648..12917, 12662..12898, 13001..13141, 13004..13144, 13017..13154, 13661..13813, 13663..13851, 13832..13888, 13843..13887, 13992..14072, 14003..14071		
Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	12090	End	12557
GI	none	Score	106
Exons	12090..12200, 12098..12202, 12098..12202, 12277..12345, 12277..12378, 12501..12557		
Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o1.np	Method	AAT/NAP
Start	12101	End	13827
GI	5882747	Score	862
Exons	12101..12199, 12277..12348, 12510..12569, 12662..12896, 13005..13142, 13664..13827		
GI Descrip.	(AC008263) Similar to gb|AF049930 PGP237-11 from Petunia x hybrida and contains a PF|00097 Zinc (RING) finger domain. [Arabidopsis thaliana]		
Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	12165	End	14142
GI	none	Score	51
Exons	12165..12224, 12167..12202, 12277..12348, 12277..12378, 12501..12575, 12508..12588, 12648..12917, 12662..12898, 13004..13144, 13004..13144, 13017..13148, 13035..13145, 13661..13888, 13663..13887, 13992..14135, 14001..14135, 14003..14140, 14005..14142		
Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	12649	End	13888
GI	none	Score	286
Exons	12649..12855, 12651..12917, 12659..12898, 13004..13141, 13004..13144, 13017..13154, 13661..13822, 13663..13872,		

13856..13888

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o5.gp	Method	AAT/GAP
Start	13068	End	13824
GI	LIB3433-029-P1-K1-E12	Score	385
Exons	13068..13142, 13664..13824		
GI Descrip.	'5882747/gb|AAD55300.1|AC008263_31 4.0e-23 (AC008263) Similar to gb_AF049930 PGP237-11 from Petunia x hybrida and contains a PF_00097 Zinc (RING) finger domain. [Arabidopsis thaliana]'		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o6.gp	Method	AAT/GAP
Start	13789	End	14174
GI	uC-osroM202041g10b1	Score	437
Exons	13789..13885, 14001..14174		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]'		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o7.gp	Method	AAT/GAP
Start	14445	End	14979
GI	uC-osroM202041g10b1	Score	250
Exons	14445..14474, 14829..14979		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]'		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	14878	End	15324
GI	none	Score	248
Exons	14878..15042, 14879..15043, 14880..15065, 15045..15206, 15046..15201, 15047..15202, 15244..15324, 15245..15322		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	14878	End	17602
GI	5606777	Score	336
Exons	14878..15201, 14879..15202, 17447..17602		
GI Descrip.	-		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o3.tc	Method	TBLASTX:Cress
Start	15253	End	15424
GI	none	Score	145
Exons	15253..15423, 15275..15424		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	15265	End	15489
GI	none	Score	108
Exons	15265..15489, 15266..15448		

Seq. No.	16588	Seq. ID	OJ990527_41.9C17.C9
Gene No.	35014	Strand	-
Start	12065	End	17602
Name	OJ990527_41.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	15370	End	17134
GI	none	Score	258
Exons	15370..15483, 16402..16623, 16403..16624, 16404..16628, 16979..17134, 16981..17133		

Seq. No.	16589	Seq. ID	OJ990527_41.9C17.C10
Gene No.	35015	Strand	-
Start	134	End	1637
Name	OJ990527_41.9C17.C10.o1.np	Method	AAT/NAP
Start	134	End	1637
GI	5882746	Score	171
Exons	134..358, 1392..1637		
GI Descrip.	(AC008263) ESTs gb|T04421 and gb|AA586001 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16589	Seq. ID	OJ990527_41.9C17.C10
Gene No.	35015	Strand	-
Start	134	End	1637
Name	OJ990527_41.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	146	End	322
GI	none	Score	135
Exons	146..322, 150..320		

Seq. No.	16589	Seq. ID	OJ990527_41.9C17.C10
Gene No.	35015	Strand	-
Start	134	End	1637
Name	OJ990527_41.9C17.C10.o1.gs	Method	GENSCAN
Start	199	End	1616
GI	none	Score	.52
Exons	199..358, 1392..1616		

Seq. No.	16589	Seq. ID	OJ990527_41.9C17.C10
Gene No.	35015	Strand	-
Start	134	End	1637
Name	OJ990527_41.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	1404	End	1557
GI	none	Score	93
Exons	1404..1553, 1404..1556, 1405..1557		

Seq. No.	16590	Seq. ID	OJ990627_43.9C03.C1
Gene No.	35016	Strand	-
Start	35	End	467
Name	OJ990627_43.9C03.C1.o1.gp	Method	AAT/GAP
Start	35	End	467
GI	LIB3477-003-P1-K1-E9	Score	134

Exons	35..143, 435..467		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	16591	Seq. ID	OJ990627_43.9C03.C2
Gene No.	35017	Strand	+
Start	61	End	400
Name	OJ990627_43.9C03.C2.o1.gp	Method	AAT/GAP
Start	61	End	400
GI	426290	Score	130
Exons	61..82, 303..400		
GI Descrip.	3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]		
Seq. No.	16592	Seq. ID	OJ990627_43.9C03.C3
Gene No.	35018	Strand	+
Start	562	End	770
Name	OJ990627_43.9C03.C3.o1.gs	Method	GENSCAN
Start	562	End	770
GI	none	Score	.74
Exons	562..770		
Seq. No.	16592	Seq. ID	OJ990627_43.9C03.C3
Gene No.	35019	Strand	-
Start	2032	End	4490
Name	OJ990627_43.9C03.C3.o2.gs	Method	GENSCAN
Start	2032	End	4490
GI	none	Score	.66
Exons	2032..2255, 3733..3817, 4467..4490		
Seq. No.	16593	Seq. ID	OJ990627_43.9C03.C4
Gene No.	35020	Strand	+
Start	4877	End	9249
Name	OJ990627_43.9C03.C4.o2.gs	Method	GENSCAN
Start	4877	End	9166
GI	none	Score	.43
Exons	4877..4922, 6280..6448, 7548..9166		
Seq. No.	16593	Seq. ID	OJ990627_43.9C03.C4
Gene No.	35020	Strand	+
Start	4877	End	9249
Name	OJ990627_43.9C03.C4.o1.np	Method	AAT/NAP
Start	7789	End	9249
GI	5669782	Score	514
Exons	7789..8587, 8660..9249		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		
Seq. No.	16593	Seq. ID	OJ990627_43.9C03.C4
Gene No.	35020	Strand	+
Start	4877	End	9249
Name	OJ990627_43.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	8746	End	9048
GI	none	Score	214
Exons	8746..9048, 8904..9008		
Seq. No.	16593	Seq. ID	OJ990627_43.9C03.C4
Gene No.	35020	Strand	+

Start	4877	End	9249
Name	OJ990627_43.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	8749	End	9210
GI	none	Score	190
Exons	8749..9096, 9070..9210		

Seq. No.	16593	Seq. ID	OJ990627_43.9C03.C4
Gene No.	35020	Strand	+
Start	4877	End	9249
Name	OJ990627_43.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	8969	End	9246
GI	none	Score	67
Exons	8969..9235, 8970..9062, 8971..9246, 9126..9188		

Seq. No.	16594	Seq. ID	OJ990627_43.9C03.C5
Gene No.	35021	Strand	+
Start	324	End	852
Name	OJ990627_43.9C03.C5.o1.gs	Method	GENSCAN
Start	324	End	852
GI	none	Score	.56
Exons	324..852		

Seq. No.	16594	Seq. ID	OJ990627_43.9C03.C5
Gene No.	35022	Strand	-
Start	2580	End	5269
Name	OJ990627_43.9C03.C5.o2.gs	Method	GENSCAN
Start	2580	End	5269
GI	none	Score	.81
Exons	2580..3065, 3110..3272, 4666..4869, 5136..5269		

Seq. No.	16594	Seq. ID	OJ990627_43.9C03.C5
Gene No.	35023	Strand	
Start	5798	End	6091
Name	OJ990627_43.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	5798	End	6091
GI	none	Score	108
Exons	5798..5899, 5894..6091, 5895..6083		

Seq. No.	16594	Seq. ID	OJ990627_43.9C03.C5
Gene No.	35024	Strand	
Start	6170	End	6406
Name	OJ990627_43.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	6170	End	6406
GI	none	Score	196
Exons	6170..6406		

Seq. No.	16595	Seq. ID	OJ990627_43.9C03.C6
Gene No.	35025	Strand	-
Start	1	End	958
Name	OJ990627_43.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	958
GI	4557437	Score	756
Exons	1..958		
GI Descrip.	cell division cycle 20 gi|1362897|pir||A56021 probable cell division control protein p55CDC - human gi|468032 (U05340) p55CDC [Homo sapiens]		

Seq. No.	16595	Seq. ID	OJ990627_43.9C03.C6
Gene No.	35025	Strand	-
Start	1	End	958
Name	OJ990627_43.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	233	End	684
GI	none	Score	67
Exons	233..331, 253..351, 373..456, 382..684		

Seq. No.	16595	Seq. ID	OJ990627_43.9C03.C6
Gene No.	35025	Strand	-
Start	1	End	958
Name	OJ990627_43.9C03.C6.o1.gs	Method	GENSCAN
Start	247	End	680
GI	none	Score	.53
Exons	247..680		

Seq. No.	16595	Seq. ID	OJ990627_43.9C03.C6
Gene No.	35025	Strand	-
Start	1	End	958
Name	OJ990627_43.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	253	End	681
GI	none	Score	71
Exons	253..348, 254..322, 373..504, 378..563, 382..591, 382..486, 395..580, 604..681		

Seq. No.	16596	Seq. ID	OJ990627_43.9C03.C8
Gene No.	35026	Strand	-
Start	578	End	1099
Name	OJ990627_43.9C03.C8.o1.gs	Method	GENSCAN
Start	578	End	1099
GI	none	Score	.8
Exons	578..600, 719..874, 1000..1099		

Seq. No.	16597	Seq. ID	OJ990627_43.9C03.C9
Gene No.	35027	Strand	+
Start	1	End	889
Name	OJ990627_43.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	889
GI	5042463	Score	100
Exons	1..167, 735..889		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	16598	Seq. ID	OJ990627_43.9C03.C10
Gene No.	35028	Strand	+
Start	1	End	1494
Name	OJ990627_43.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	1494
GI	6721512	Score	51
Exons	1..23, 1351..1494		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16598	Seq. ID	OJ990627_43.9C03.C10
Gene No.	35029	Strand	-
Start	145	End	1640
Name	OJ990627_43.9C03.C10.o1.gs	Method	GENSCAN
Start	145	End	1640
GI	none	Score	.46

Exons	145..250, 1555..1640		
Seq. No.	16599	Seq. ID	OJ990627_43.9C03.C11
Gene No.	35030	Strand	+
Start	3315	End	7003
Name	OJ990627_43.9C03.C11.o1.gs	Method	GENSCAN
Start	3315	End	5495
GI	none	Score	.99
Exons	3315..5495		
Seq. No.	16599	Seq. ID	OJ990627_43.9C03.C11
Gene No.	35030	Strand	+
Start	3315	End	7003
Name	OJ990627_43.9C03.C11.o1.np	Method	AAT/NAP
Start	3315	End	7003
GI	4680181	Score	484
Exons	3315..3680, 4659..4850, 4947..5451, 6973..7003		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	16599	Seq. ID	OJ990627_43.9C03.C11
Gene No.	35030	Strand	+
Start	3315	End	7003
Name	OJ990627_43.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	3411	End	3833
GI	none	Score	36
Exons	3411..3515, 3540..3710, 3729..3833		
Seq. No.	16599	Seq. ID	OJ990627_43.9C03.C11
Gene No.	35030	Strand	+
Start	3315	End	7003
Name	OJ990627_43.9C03.C11.o1.gp	Method	AAT/GAP
Start	5123	End	5579
GI	LIB3433-034-P1-K1-E6	Score	888
Exons	5123..5579		
GI Descrip.	'2832636/emb|CAA16765.1| 7.0e-20 (AL021711) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	16599	Seq. ID	OJ990627_43.9C03.C11
Gene No.	35030	Strand	+
Start	3315	End	7003
Name	OJ990627_43.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	5235	End	5468
GI	none	Score	243
Exons	5235..5468, 5357..5467		
Seq. No.	16600	Seq. ID	OJ990627_43.9C03.C12
Gene No.	35031	Strand	+
Start	1275	End	4035
Name	OJ990627_43.9C03.C12.o1.gs	Method	GENSCAN
Start	1275	End	3999
GI	none	Score	.75
Exons	1275..1339, 1416..1468, 1848..2506, 3847..3999		
Seq. No.	16600	Seq. ID	OJ990627_43.9C03.C12
Gene No.	35031	Strand	+
Start	1275	End	4035
Name	OJ990627_43.9C03.C12.o1.gp	Method	AAT/GAP

Start	2328	End	4035
GI	2428351	Score	851
Exons	2328..2506, 3760..4035		

Seq. No.	16601	Seq. ID	OJ990627_43.9C03.C13
Gene No.	35032	Strand	+
Start	228	End	635
Name	OJ990627_43.9C03.C13.o1.gs	Method	GENSCAN
Start	228	End	635
GI	none	Score	.79
Exons	228..635		

Seq. No.	16601	Seq. ID	OJ990627_43.9C03.C13
Gene No.	35033	Strand	-
Start	1034	End	1112
Name	OJ990627_43.9C03.C13.o2.gs	Method	GENSCAN
Start	1034	End	1112
GI	none	Score	.97
Exons	1034..1112		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35034	Strand	+
Start	1	End	3919
Name	OJ990627_43.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	1667
GI	5852172	Score	117
Exons	1..120, 1547..1667		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35034	Strand	+
Start	1	End	3919
Name	OJ990627_43.9C03.C15.o1.gs	Method	GENSCAN
Start	172	End	3919
GI	none	Score	.66
Exons	172..337, 1684..1826, 2785..2878, 3259..3485, 3490..3577, 3606..3919		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35035	Strand	+
Start	5498	End	5859
Name	OJ990627_43.9C03.C15.o2.gs	Method	GENSCAN
Start	5498	End	5859
GI	none	Score	.46
Exons	5498..5623, 5671..5859		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35036	Strand	+
Start	16924	End	19157
Name	OJ990627_43.9C03.C15.o7.gs	Method	GENSCAN
Start	16924	End	19157
GI	none	Score	.61
Exons	16924..16932, 18708..19157		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35037	Strand	+
Start	22558	End	23386

Name	OJ990627_43.9C03.C15.o3.gp	Method	AAT/GAP
Start	22363	End	22879
GI	none	Score	990
Exons	22363..22879		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35037	Strand	+
Start	22558	End	23386
Name	OJ990627_43.9C03.C15.o9.gs	Method	GENSCAN
Start	22558	End	23386
GI	none	Score	.82
Exons	22558..22953, 23273..23386		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35038	Strand	-
Start	1490	End	1827
Name	OJ990627_43.9C03.C15.o1.gp	Method	AAT/GAP
Start	1490	End	1827
GI	427610	Score	271
Exons	1490..1536, 1564..1627, 1733..1827		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35039	Strand	-
Start	6962	End	7516
Name	OJ990627_43.9C03.C15.o3.gs	Method	GENSCAN
Start	6962	End	7516
GI	none	Score	.65
Exons	6962..7516		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35040	Strand	-
Start	11415	End	12920
Name	OJ990627_43.9C03.C15.o5.gs	Method	GENSCAN
Start	11415	End	12920
GI	none	Score	.66
Exons	11415..11593, 11619..11797, 11814..12182, 12778..12920		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35041	Strand	-
Start	13937	End	16105
Name	OJ990627_43.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	13265	End	13925
GI	none	Score	76
Exons	13265..13339, 13266..13340, 13269..13340, 13270..13341, 13345..13386, 13352..13393, 13393..13554, 13403..13513, 13404..13568, 13410..13553, 13800..13925, 13801..13881, 13812..13901		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35041	Strand	-
Start	13937	End	16105
Name	OJ990627_43.9C03.C15.o6.gs	Method	GENSCAN
Start	13937	End	16105
GI	none	Score	.47
Exons	13937..16105		

Seq. No.	16602	Seq. ID	OJ990627_43.9C03.C15
Gene No.	35041	Strand	-
Start	13937	End	16105
Name	OJ990627_43.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	15671	End	16096
GI	none	Score	219
Exons	15671..15724, 15795..16037, 15800..16096, 15840..16088		

Seq. No.	16603	Seq. ID	OJ990627_43.9C03.C17
Gene No.	35042	Strand	-
Start	762	End	1064
Name	OJ990627_43.9C03.C17.o1.gs	Method	GENSCAN
Start	762	End	1064
GI	none	Score	.69
Exons	762..1064		

Seq. No.	16604	Seq. ID	OJ990627_43.9C03.C18
Gene No.	35043	Strand	+
Start	1	End	1469
Name	OJ990627_43.9C03.C18.o1.np	Method	AAT/NAP
Start	1	End	1469
GI	4519258	Score	1160
Exons	1..363, 507..841, 878..1469		
GI Descrip.	(AB017914) L-zip+NBS+LRR [Oryza sativa]		

Seq. No.	16604	Seq. ID	OJ990627_43.9C03.C18
Gene No.	35043	Strand	+
Start	1	End	1469
Name	OJ990627_43.9C03.C18.o1.gs	Method	GENSCAN
Start	561	End	1099
GI	none	Score	.83
Exons	561..775, 1039..1099		

Seq. No.	16605	Seq. ID	OJ990627_43.9C03.C20
Gene No.	35044	Strand	-
Start	1	End	711
Name	OJ990627_43.9C03.C20.o1.gp	Method	AAT/GAP
Start	1	End	711
GI	426290	Score	219
Exons	1..30, 191..258, 647..711		
GI Descrip.	3415134 1.0e-45 (AF082024) Phyb1 [Pimpinella brachycarpa]		

Seq. No.	16605	Seq. ID	OJ990627_43.9C03.C20
Gene No.	35044	Strand	-
Start	1	End	711
Name	OJ990627_43.9C03.C20.o1.np	Method	AAT/NAP
Start	191	End	705
GI	3415134	Score	102
Exons	191..258, 647..705		
GI Descrip.	(AF082024) Phyb1 [Pimpinella brachycarpa]		

Seq. No.	16606	Seq. ID	OJ990627_43.9C03.C21
Gene No.	35045	Strand	+
Start	2772	End	6047
Name	OJ990627_43.9C03.C21.o1.gs	Method	GENSCAN
Start	2772	End	4929

GI	none	Score	.86
Exons	2772..3236, 4879..4929		

Seq. No.	16606	Seq. ID	OJ990627_43.9C03.C21
Gene No.	35045	Strand	+
Start	2772	End	6047
Name	OJ990627_43.9C03.C21.o1.np	Method	AAT/NAP
Start	2772	End	6047
GI	4836950	Score	465
Exons	2772..2876, 2982..3236, 5704..6047		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16606	Seq. ID	OJ990627_43.9C03.C21
Gene No.	35045	Strand	+
Start	2772	End	6047
Name	OJ990627_43.9C03.C21.o1.gp	Method	AAT/GAP
Start	3027	End	6047
GI	51076_1.R1084	Score	1047
Exons	3027..3236, 5704..6047		
GI Descrip.	'3415134 1.0e-45 (AF082024) Phybl [Pimpinella brachycarpa]'		

Seq. No.	16606	Seq. ID	OJ990627_43.9C03.C21
Gene No.	35045	Strand	+
Start	2772	End	6047
Name	OJ990627_43.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	3139	End	6043
GI	none	Score	77
Exons	3139..3237, 3201..3275, 5701..5784, 5701..5775, 5703..5852, 5766..5924, 5776..5925, 5777..5926, 5785..5937, 5926..6042, 5926..6042, 5927..6043		

Seq. No.	16607	Seq. ID	OJ990627_43.9C03.C22
Gene No.	35046	Strand	+
Start	476	End	760
Name	OJ990627_43.9C03.C22.o1.np	Method	AAT/NAP
Start	476	End	760
GI	2498930	Score	111
Exons	476..539, 707..760		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16607	Seq. ID	OJ990627_43.9C03.C22
Gene No.	35046	Strand	+
Start	476	End	760
Name	OJ990627_43.9C03.C22.o1.gs	Method	GENSCAN
Start	480	End	539
GI	none	Score	.91
Exons	480..539		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35047	Strand	+
Start	6346	End	10177
Name	OJ990527_34.9C03.C2.o3.gs	Method	GENSCAN
Start	6346	End	10177
GI	none	Score	.53
Exons	6346..6557, 8227..9065, 9132..9633, 9687..9940, 10167..10177		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35048	Strand	+
Start	10670	End	11570
Name	OJ990527_34.9C03.C2.o2.np	Method	AAT/NAP
Start	10670	End	11570
GI	5852178	Score	491
Exons	10670..10978, 11010..11106, 11468..11570		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35049	Strand	+
Start	14713	End	16870
Name	OJ990527_34.9C03.C2.o5.gs	Method	GENSCAN
Start	14713	End	15524
GI	none	Score	.59
Exons	14713..14940, 15043..15183, 15447..15524		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35049	Strand	+
Start	14713	End	16870
Name	OJ990527_34.9C03.C2.o3.np	Method	AAT/NAP
Start	15420	End	16870
GI	6539588	Score	109
Exons	15420..15613, 16810..16870		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35049	Strand	+
Start	14713	End	16870
Name	OJ990527_34.9C03.C2.o6.gs	Method	GENSCAN
Start	15932	End	16603
GI	none	Score	.92
Exons	15932..16079, 16315..16603		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35050	Strand	-
Start	373	End	2151
Name	OJ990527_34.9C03.C2.o1.gs	Method	GENSCAN
Start	373	End	2151
GI	none	Score	.69
Exons	373..682, 764..877, 945..1004, 2032..2151		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35051	Strand	-
Start	2506	End	5671
Name	OJ990527_34.9C03.C2.o1.np	Method	AAT/NAP
Start	2506	End	3426
GI	5852178	Score	362
Exons	2506..2600, 2967..3067, 3117..3426		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35051	Strand	-
Start	2506	End	5671
Name	OJ990527_34.9C03.C2.o2.gs	Method	GENSCAN
Start	2855	End	5671
GI	none	Score	.41

Exons	2855..3432, 3470..3782, 4164..4378, 4420..4498, 4580..5671		
Seq. No.	16608	Seq. ID	OJ990527_34.9C03.C2
Gene No.	35052	Strand	-
Start	10745	End	13098
Name	OJ990527_34.9C03.C2.o4.gs	Method	GENSCAN
Start	10745	End	13098
GI	none	Score	.53
Exons	10745..10929, 11088..11248, 11424..11496, 12028..12152, 12980..13098		
Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35053	Strand	+
Start	1	End	7226
Name	OJ990527_34.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	2199
GI	6691716	Score	145
Exons	1..81, 154..332, 407..562, 2177..2199		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35053	Strand	+
Start	1	End	7226
Name	OJ990527_34.9C03.C3.o1.gs	Method	GENSCAN
Start	1784	End	7226
GI	none	Score	.63
Exons	1784..1829, 2607..2801, 3007..3250, 3295..3442, 4698..4889, 5024..5223, 5340..5411, 7166..7226		
Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o2.gs	Method	GENSCAN
Start	7480	End	11852
GI	none	Score	.48
Exons	7480..8086, 8333..10074, 10301..10453, 11114..11216, 11402..11496, 11783..11852		
Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o3.np	Method	AAT/NAP
Start	7561	End	10179
GI	5669778	Score	903
Exons	7561..10179		
GI Descrip.	(AF108008) HV1LRR1 [Hordeum vulgare]		
Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	7591	End	10146
GI	none	Score	76
Exons	7591..7749, 8062..8238, 8254..8379, 8485..8541, 8533..8676, 8695..8862, 9913..10146		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o2.np	Method	AAT/NAP
Start	7603	End	9357
GI	5669782	Score	848
Exons	7603..9357		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	8278	End	9045
GI	none	Score	128
Exons	8278..8520, 8539..8661, 8718..8852, 8719..8862, 8905..9045, 8926..9036		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	8521	End	8846
GI	none	Score	313
Exons	8521..8844, 8544..8846		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	8695	End	8899
GI	none	Score	210
Exons	8695..8886, 8697..8858, 8750..8899		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	9259	End	10167
GI	none	Score	105
Exons	9259..9459, 9520..9804, 9797..9838, 9829..10167, 9861..10154		

Seq. No.	16609	Seq. ID	OJ990527_34.9C03.C3
Gene No.	35054	Strand	+
Start	7480	End	11852
Name	OJ990527_34.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	9790	End	10146
GI	5342535	Score	183
Exons	9790..10146		
GI Descrip.	4092771 3.0e-20 (AF105139) disease resistance gene homolog 1A [Brassica napus]		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35055	Strand	+
Start	1068	End	6708
Name	OJ990527_34.9C03.C4.o1.np	Method	AAT/NAP

Start	1068	End	6708
GI	6498441	Score	6852
Exons	1068..2131, 2462..2925, 2989..3362, 3546..3680, 3855..4281, 4474..4770, 4942..6339, 6433..6708		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35056	Strand	+
Start	8642	End	9361
Name	OJ990527_34.9C03.C4.o2.gs	Method	GENSCAN
Start	8642	End	9361
GI	none	Score	.95
Exons	8642..9361		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35057	Strand	-
Start	7357	End	7740
Name	OJ990527_34.9C03.C4.o1.gp	Method	AAT/GAP
Start	7357	End	7740
GI	uC-osflcyp033a04b1	Score	669
Exons	7357..7740		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o9.tw	Method	TBLASTX:Wheat
Start	1056	End	1608
GI	none	Score	34
Exons	1056..1091, 1216..1263, 1270..1368, 1287..1367, 1335..1574, 1351..1608		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o8.tm	Method	TBLASTX:Maize
Start	1221	End	1508
GI	none	Score	189
Exons	1221..1508, 1258..1506		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o6.tw	Method	TBLASTX:Wheat
Start	2346	End	2832
GI	none	Score	400
Exons	2346..2519, 2347..2832, 2541..2801		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o3.tw	Method	TBLASTX:Wheat
Start	2996	End	12254
GI	none	Score	225

Exons	2996..3439, 2997..3452, 2998..3459, 3193..3453, 12036..12254		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	3037	End	12209
GI	none	Score	117
Exons	3037..3261, 3268..3402, 12075..12209		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	3127	End	12254
GI	none	Score	392
Exons	3127..3483, 3162..3473, 3193..3483, 12009..12254		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	3510	End	11963
GI	none	Score	363
Exons	3510..3878, 3511..3894, 11688..11963		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	3538	End	11963
GI	none	Score	149
Exons	3538..3909, 11658..11927, 11659..11859, 11691..11927, 11931..11963, 11931..11963		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o4.tw	Method	TBLASTX:Wheat
Start	3567	End	11906
GI	none	Score	493
Exons	3567..3980, 3568..3987, 11667..11906		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	4585	End	11688
GI	none	Score	63
Exons	4585..4725, 11391..11654, 11400..11687, 11404..11688		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o7.tw	Method	TBLASTX:Wheat
Start	4642	End	5076
GI	none	Score	234

Exons	4642..4866, 4657..4866, 4662..4883, 4927..5076, 4938..5075		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o13.tw	Method	TBLASTX:Wheat
Start	5079	End	5391
GI	none	Score	188
Exons	5079..5255, 5131..5391		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	5584	End	5907
GI	none	Score	354
Exons	5584..5907, 5613..5894		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o12.tw	Method	TBLASTX:Wheat
Start	5587	End	5976
GI	none	Score	130
Exons	5587..5736, 5610..5735, 5854..5976, 5857..5976		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	5737	End	11400
GI	none	Score	58
Exons	5737..5853, 10834..10872, 10857..11369, 10870..11400		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	6019	End	10827
GI	none	Score	106
Exons	6019..6177, 6253..6348, 10201..10827, 10204..10326, 10313..10771, 10486..10821		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o3.gs	Method	GENSCAN
Start	9820	End	15564
GI	none	Score	.41
Exons	9820..10859, 10973..14069, 14296..14324, 14363..15128, 15475..15564		
Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o2.np	Method	AAT/NAP
Start	9823	End	14072

GI	4680179	Score	4727
Exons	9823..12950, 12984..14072		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o8.tw	Method	TBLASTX:Wheat
Start	9868	End	10201
GI	none	Score	117
Exons	9868..10200, 9889..10197, 9932..10201		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	10048	End	10647
GI	none	Score	207
Exons	10048..10488, 10064..10489, 10486..10647, 10493..10639		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	10696	End	10986
GI	none	Score	123
Exons	10696..10872, 10700..10873, 10783..10878, 10863..10985, 10866..10985, 10870..10986		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	10786	End	11045
GI	none	Score	72
Exons	10786..10887, 10787..10870, 10866..11045, 10879..11040		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o5.tw	Method	TBLASTX:Wheat
Start	11403	End	11660
GI	none	Score	228
Exons	11403..11660, 11404..11649		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o14.tw	Method	TBLASTX:Wheat
Start	11907	End	12026
GI	none	Score	135
Exons	11907..12026, 11908..12018		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o11.tw	Method	TBLASTX:Wheat

Start	12486	End	12923
GI	none	Score	77
Exons	12486..12527, 12555..12668, 12556..12669, 12714..12923, 12715..12867		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o9.tm	Method	TBLASTX:Maize
Start	12606	End	12929
GI	none	Score	188
Exons	12606..12929		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o7.tm	Method	TBLASTX:Maize
Start	13290	End	13595
GI	none	Score	90
Exons	13290..13595, 13465..13581		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o10.tw	Method	TBLASTX:Wheat
Start	13476	End	13838
GI	none	Score	147
Exons	13476..13838, 13477..13836		

Seq. No.	16610	Seq. ID	OJ990527_34.9C03.C4
Gene No.	35058	Strand	-
Start	9820	End	15564
Name	OJ990527_34.9C03.C4.o2.gp	Method	AAT/GAP
Start	14399	End	14853
GI	95437_1.R1084	Score	734
Exons	14399..14853		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35059	Strand	+
Start	435	End	5337
Name	OJ990527_34.9C03.C5.o1.gs	Method	GENSCAN
Start	435	End	5337
GI	none	Score	.44
Exons	435..580, 676..1034, 2473..2493, 2765..3339, 3492..4394, 4495..4798, 4955..5337		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35059	Strand	+
Start	435	End	5337
Name	OJ990527_34.9C03.C5.o1.np	Method	AAT/NAP
Start	2626	End	5334
GI	5902445	Score	4029
Exons	2626..5334		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35060	Strand	+
Start	13172	End	14281
Name	OJ990527_34.9C03.C5.o4.gs	Method	GENSCAN
Start	13172	End	14272
GI	none	Score	.97
Exons	13172..14272		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35060	Strand	+
Start	13172	End	14281
Name	OJ990527_34.9C03.C5.o4.np	Method	AAT/NAP
Start	13193	End	14281
GI	3953459	Score	239
Exons	13193..13367, 13986..14281		
GI Descrip.	(AC002328) F20N2.4 [Arabidopsis thaliana]		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35060	Strand	+
Start	13172	End	14281
Name	OJ990527_34.9C03.C5.o3.np	Method	AAT/NAP
Start	13334	End	13822
GI	3025124	Score	266
Exons	13334..13822		
GI Descrip.	HYPOTHETICAL 17.7 KD PROTEIN SLR1419 gi|1653717|dbj|BAA18628| (D90916) hypothetical protein [Synechocystis sp.]		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35061	Strand	+
Start	19081	End	22360
Name	OJ990527_34.9C03.C5.o5.np	Method	AAT/NAP
Start	19081	End	22357
GI	6907089	Score	4734
Exons	19081..20342, 20437..22357		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35061	Strand	+
Start	19081	End	22360
Name	OJ990527_34.9C03.C5.o6.gs	Method	GENSCAN
Start	19081	End	22360
GI	none	Score	.85
Exons	19081..19210, 19277..19568, 19614..20342, 20437..20716, 20861..22360		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35062	Strand	-
Start	5680	End	11388
Name	OJ990527_34.9C03.C5.o2.np	Method	AAT/NAP
Start	5680	End	8599
GI	6691716	Score	2492
Exons	5680..6119, 6193..6307, 6457..6558, 6633..6820, 6898..7077, 7154..7256, 7339..7513, 7705..8599		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35062	Strand	-
Start	5680	End	11388
Name	OJ990527_34.9C03.C5.o2.gs	Method	GENSCAN
Start	5731	End	11388
GI	none	Score	.76
Exons	5731..6119, 6193..6297, 6369..6558, 6633..6820, 6991..7256, 7339..7658, 7715..8745, 9892..10137, 11211..11388		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35063	Strand	-
Start	11985	End	12387
Name	OJ990527_34.9C03.C5.o3.gs	Method	GENSCAN
Start	11985	End	12387
GI	none	Score	.48
Exons	11985..12119, 12145..12387		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35064	Strand	-
Start	13993	End	14509
Name	OJ990527_34.9C03.C5.o1.gp	Method	AAT/GAP
Start	13993	End	14509
GI	LIB3431-052-P1-N1-C2	Score	998
Exons	13993..14509		
GI Descrip.	'2982456/emb|CAA18220.1| 2.0e-28 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35065	Strand	-
Start	15796	End	18799
Name	OJ990527_34.9C03.C5.o5.gs	Method	GENSCAN
Start	15796	End	18799
GI	none	Score	.75
Exons	15796..15912, 16406..16438, 17295..17465, 18039..18111, 18696..18799		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35066	Strand	-
Start	22992	End	23092
Name	OJ990527_34.9C03.C5.o7.gs	Method	GENSCAN
Start	22992	End	23092
GI	none	Score	.57
Exons	22992..23092		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	2658	End	3075
GI	none	Score	424
Exons	2658..3074, 2659..3075		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o2.ts	Method	TBLASTX:Soybean

Start	2920	End	3351
GI	none	Score	288
Exons	2920..3351, 2967..3092		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	3018	End	3462
GI	none	Score	251
Exons	3018..3269, 3019..3270, 3265..3438, 3436..3462		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	3120	End	3546
GI	none	Score	413
Exons	3120..3329, 3121..3546		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o4.ts	Method	TBLASTX:Soybean
Start	3593	End	3847
GI	none	Score	191
Exons	3593..3847, 3594..3845		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o4.tw	Method	TBLASTX:Wheat
Start	3605	End	3971
GI	none	Score	341
Exons	3605..3826, 3606..3971		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	4202	End	4527
GI	none	Score	330
Exons	4202..4495, 4203..4472, 4450..4527		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o5.tw	Method	TBLASTX:Wheat
Start	4206	End	4598
GI	none	Score	244
Exons	4206..4340, 4208..4423, 4209..4472, 4442..4510, 4446..4520, 4447..4596, 4551..4598		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o6.tm	Method	TBLASTX:Maize

Start	4668	End	4941
GI	none	Score	93
Exons	4668..4766, 4669..4767, 4758..4832, 4762..4845, 4858..4941		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	4711	End	20198
GI	none	Score	354
Exons	4711..5202, 4734..4820, 4872..5000, 5194..5325, 20097..20198		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	5023	End	5286
GI	none	Score	169
Exons	5023..5205, 5145..5204, 5184..5285, 5184..5285, 5185..5286		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o6.tw	Method	TBLASTX:Wheat
Start	8189	End	8479
GI	none	Score	207
Exons	8189..8479		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	13385	End	13789
GI	none	Score	191
Exons	13385..13555, 13387..13455, 13391..13549, 13501..13554, 13582..13788, 13586..13789, 13586..13789		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o5.tm	Method	TBLASTX:Maize
Start	13431	End	13611
GI	none	Score	67
Exons	13431..13532, 13433..13585, 13433..13552, 13582..13611		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	13630	End	13846
GI	none	Score	220
Exons	13630..13839, 13664..13846		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o1.tc	Method	TBLASTX:Cress

Start	14006	End	14266
GI	none	Score	102
Exons	14006..14110, 14014..14121, 14111..14266, 14119..14265		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	14006	End	14266
GI	none	Score	85
Exons	14006..14116, 14111..14266, 14119..14259		

Seq. No.	16611	Seq. ID	OJ990527_34.9C03.C5
Gene No.	35067	Strand	-
Start	22995	End	23141
Name	OJ990527_34.9C03.C5.o6.np	Method	AAT/NAP
Start	22995	End	23141
GI	6498441	Score	99
Exons	22995..23141		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16612	Seq. ID	OJ990527_34.9C03.C6
Gene No.	35068	Strand	+
Start	468	End	1105
Name	OJ990527_34.9C03.C6.o1.np	Method	AAT/NAP
Start	468	End	1105
GI	2498930	Score	723
Exons	468..536, 704..1105		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16612	Seq. ID	OJ990527_34.9C03.C6
Gene No.	35068	Strand	+
Start	468	End	1105
Name	OJ990527_34.9C03.C6.o1.gs	Method	GENSCAN
Start	477	End	1006
GI	none	Score	.47
Exons	477..536, 704..1006		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	2157
GI	4680179	Score	2867
Exons	1..2157		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o5.tm	Method	TBLASTX:Maize
Start	1	End	220
GI	none	Score	246
Exons	1..219, 2..220, 29..220		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o3.tw	Method	TBLASTX:Wheat
Start	1	End	403
GI	none	Score	461
Exons	1..375, 2..403		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.gs	Method	GENSCAN
Start	101	End	2178
GI	none	Score	.99
Exons	101..785, 818..2178		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	290	End	781
GI	none	Score	159
Exons	290..469, 455..781, 581..628,	616..768	

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	344	End	739
GI	none	Score	56
Exons	344..376, 344..376, 361..456,	380..739, 380..688, 496..711	

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o5.tw	Method	TBLASTX:Wheat
Start	452	End	757
GI	none	Score	378
Exons	452..757, 496..711		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	760	End	1179
GI	none	Score	576
Exons	760..1179, 783..1142, 811..1164,	815..1177	

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o3.ts	Method	TBLASTX:Soybean
Start	778	End	1005
GI	none	Score	203
Exons	778..1005		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	826	End	1179
GI	none	Score	474
Exons	826..1179, 828..1076		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o2.tw	Method	TBLASTX:Wheat
Start	1222	End	1746
GI	none	Score	571
Exons	1222..1746, 1296..1742		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o4.tm	Method	TBLASTX:Maize
Start	1393	End	1710
GI	none	Score	273
Exons	1393..1710, 1432..1695, 1506..1709		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	1453	End	1770
GI	none	Score	102
Exons	1453..1626, 1474..1572, 1627..1770, 1629..1754		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o2.ts	Method	TBLASTX:Soybean
Start	1539	End	1794
GI	none	Score	298
Exons	1539..1793, 1546..1794, 1666..1794		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	1711	End	2031
GI	none	Score	460
Exons	1711..2028, 1713..2024, 1726..2031		

Seq. No.	16613	Seq. ID	OJ990627_37.9C10.C1
Gene No.	35069	Strand	+
Start	1	End	2178
Name	OJ990627_37.9C10.C1.o4.tw	Method	TBLASTX:Wheat
Start	1752	End	2140
GI	none	Score	457
Exons	1752..2135, 1753..2139, 1997..2140		

Seq. No.	16614	Seq. ID	OJ990627_37.9C10.C2

Gene No.	35070	Strand	-
Start	1	End	429
Name	OJ990627_37.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	429
GI	6907088	Score	478
Exons	1..429		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16615	Seq. ID	OJ990627_37.9C10.C3
Gene No.	35071	Strand	+
Start	2057	End	2804
Name	OJ990627_37.9C10.C3.o1.gs	Method	GENSCAN
Start	2057	End	2804
GI	none	Score	.81
Exons	2057..2116, 2730..2804		

Seq. No.	16615	Seq. ID	OJ990627_37.9C10.C3
Gene No.	35072	Strand	-
Start	1849	End	3523
Name	OJ990627_37.9C10.C3.o1.np	Method	AAT/NAP
Start	1849	End	3523
GI	6539588	Score	194
Exons	1849..1906, 3219..3523		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16615	Seq. ID	OJ990627_37.9C10.C3
Gene No.	35072	Strand	-
Start	1849	End	3523
Name	OJ990627_37.9C10.C3.o2.gs	Method	GENSCAN
Start	3220	End	3464
GI	none	Score	.54
Exons	3220..3464		

Seq. No.	16616	Seq. ID	OJ990627_37.9C10.C4
Gene No.	35073	Strand	+
Start	449	End	808
Name	OJ990627_37.9C10.C4.o1.gs	Method	GENSCAN
Start	449	End	761
GI	none	Score	.53
Exons	449..561, 640..761		

Seq. No.	16616	Seq. ID	OJ990627_37.9C10.C4
Gene No.	35073	Strand	+
Start	449	End	808
Name	OJ990627_37.9C10.C4.o1.np	Method	AAT/NAP
Start	449	End	808
GI	2443320	Score	413
Exons	449..808		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	16617	Seq. ID	OJ990627_37.9C10.C5
Gene No.	35074	Strand	-
Start	5108	End	5186
Name	OJ990627_37.9C10.C5.o1.gp	Method	AAT/GAP
Start	5108	End	5186
GI	LIB3477-003-P1-K1-E9	Score	107
Exons	5108..5186		

GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	16618	Seq. ID	OJ990627_37.9C10.C6
Gene No.	35075	Strand	-
Start	1406	End	1582
Name	OJ990627_37.9C10.C6.o1.gs	Method	GENSCAN
Start	1406	End	1582
GI	none	Score	.89
Exons	1406..1582		
Seq. No.	16619	Seq. ID	OJ990627_37.9C10.C7
Gene No.	35076	Strand	+
Start	3156	End	3519
Name	OJ990627_37.9C10.C7.o1.np	Method	AAT/NAP
Start	3156	End	3519
GI	6907088	Score	244
Exons	3156..3293, 3469..3519		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	16619	Seq. ID	OJ990627_37.9C10.C7
Gene No.	35077	Strand	-
Start	1588	End	2365
Name	OJ990627_37.9C10.C7.o1.gs	Method	GENSCAN
Start	1588	End	2365
GI	none	Score	.53
Exons	1588..1852, 2083..2176, 2182..2365		
Seq. No.	16619	Seq. ID	OJ990627_37.9C10.C7
Gene No.	35078	Strand	-
Start	2274	End	2783
Name	OJ990627_37.9C10.C7.o1.gp	Method	AAT/GAP
Start	2274	End	2783
GI	38782_1.R1084	Score	805
Exons	2274..2783		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		
Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35079	Strand	+
Start	4777	End	6601
Name	OJ990627_37.9C10.C8.o4.np	Method	AAT/NAP
Start	4777	End	6601
GI	6907086	Score	1214
Exons	4777..5553, 5614..5785, 6016..6126, 6246..6601		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	2694
GI	5257279	Score	409
Exons	1..272, 318..1059, 2641..2694		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o2.np	Method	AAT/NAP
Start	1	End	1280
GI	4680179	Score	525
Exons	1..121, 224..1280		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o1.gs	Method	GENSCAN
Start	35	End	2728
GI	none	Score	.57
Exons	35..1451, 1743..1898, 2023..2150, 2187..2320, 2339..2473, 2655..2728		

Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	402	End	803
GI	none	Score	239
Exons	402..803		

Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	684	End	1049
GI	none	Score	265
Exons	684..1049		

Seq. No.	16620	Seq. ID	OJ990627_37.9C10.C8
Gene No.	35080	Strand	-
Start	1	End	2728
Name	OJ990627_37.9C10.C8.o3.np	Method	AAT/NAP
Start	1771	End	2552
GI	6002794	Score	1202
Exons	1771..2552		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	16621	Seq. ID	OJ990627_37.9C10.C9
Gene No.	35081	Strand	+
Start	441	End	4510
Name	OJ990627_37.9C10.C9.o1.gs	Method	GENSCAN
Start	441	End	4510
GI	none	Score	.63
Exons	441..570, 580..729, 823..975, 1232..1482, 2232..2302, 2647..2685, 3433..3452, 4284..4510		

Seq. No.	16621	Seq. ID	OJ990627_37.9C10.C9
Gene No.	35082	Strand	+
Start	10162	End	13905
Name	OJ990627_37.9C10.C9.o1.np	Method	AAT/NAP

Start	10162	End	13905
GI	6907087	Score	454
Exons	10162..10300, 12731..13253, 13804..13905		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16621	Seq. ID	OJ990627_37.9C10.C9
Gene No.	35083	Strand	+
Start	14449	End	15853
Name	OJ990627_37.9C10.C9.o4.gs	Method	GENSCAN
Start	14449	End	15853
GI	none	Score	.51
Exons	14449..14493, 15254..15550, 15680..15853		

Seq. No.	16621	Seq. ID	OJ990627_37.9C10.C9
Gene No.	35084	Strand	-
Start	13489	End	14311
Name	OJ990627_37.9C10.C9.o2.np	Method	AAT/NAP
Start	13489	End	14311
GI	4680186	Score	104
Exons	13489..13598, 14198..14311		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16622	Seq. ID	OJ990627_37.9C10.C11
Gene No.	35085	Strand	+
Start	495	End	1091
Name	OJ990627_37.9C10.C11.o1.gs	Method	GENSCAN
Start	495	End	1091
GI	none	Score	.4
Exons	495..745, 1031..1091		

Seq. No.	16623	Seq. ID	OJ990627_37.9C10.C12
Gene No.	35086	Strand	-
Start	1	End	1380
Name	OJ990627_37.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	1380
GI	2443320	Score	1985
Exons	1..1380		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	16623	Seq. ID	OJ990627_37.9C10.C12
Gene No.	35086	Strand	-
Start	1	End	1380
Name	OJ990627_37.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	16	End	619
GI	none	Score	558
Exons	16..609, 24..614, 83..619		

Seq. No.	16623	Seq. ID	OJ990627_37.9C10.C12
Gene No.	35086	Strand	-
Start	1	End	1380
Name	OJ990627_37.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	81	End	389
GI	none	Score	104
Exons	81..161, 150..389, 151..387		

Seq. No.	16623	Seq. ID	OJ990627_37.9C10.C12
Gene No.	35086	Strand	-
Start	1	End	1380
Name	OJ990627_37.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	177	End	599
GI	none	Score	269
Exons	177..599		

Seq. No.	16623	Seq. ID	OJ990627_37.9C10.C12
Gene No.	35086	Strand	-
Start	1	End	1380
Name	OJ990627_37.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	619	End	1092
GI	none	Score	69
Exons	619..729, 644..721, 729..845, 844..1056, 847..1092	730..789, 840..1040, 843..1055,	

Seq. No.	16624	Seq. ID	OJ990627_37.9C10.C15
Gene No.	35087	Strand	-
Start	1	End	1435
Name	OJ990627_37.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	1435
GI	4680204	Score	772
Exons	1..1435		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	16624	Seq. ID	OJ990627_37.9C10.C15
Gene No.	35087	Strand	-
Start	1	End	1435
Name	OJ990627_37.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	389	End	792
GI	none	Score	42
Exons	389..484, 389..559, 522..689, 682..792	554..790, 641..790, 652..792,	

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.gp	Method	AAT/GAP
Start	14	End	2595
GI	342_1.R1084	Score	4164
Exons	14..520, 630..727, 810..829, 865..2595		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.gs	Method	GENSCAN
Start	937	End	2550
GI	none	Score	.93
Exons	937..2550		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.tw	Method	TBLASTX:Wheat

Start	985	End	2302
GI	none	Score	52
Exons	985..1077, 986..1051, 1066..1146, 1151..1270, 1159..1299, 1160..1300, 1247..1342, 1279..1338, 1345..1389, 1350..1385, 1384..2301, 1400..2302, 1577..2302		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.np	Method	AAT/NAP
Start	1469	End	2595
GI	6742729	Score	1810
Exons	1469..2595		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	1567	End	2018
GI	none	Score	88
Exons	1567..1716, 1567..2010, 1571..2014, 1577..2014, 1836..2018		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	1945	End	2259
GI	none	Score	68
Exons	1945..2175, 1945..2259, 1973..2248		

Seq. No.	16625	Seq. ID	OJ990627_37.9C10.C16
Gene No.	35088	Strand	-
Start	14	End	2595
Name	OJ990627_37.9C10.C16.o2.tw	Method	TBLASTX:Wheat
Start	2303	End	2595
GI	none	Score	81
Exons	2303..2389, 2305..2388, 2422..2595, 2462..2590		

Seq. No.	16626	Seq. ID	OJ990627_37.9C10.C17
Gene No.	35089	Strand	+
Start	2175	End	2617
Name	OJ990627_37.9C10.C17.o1.gs	Method	GENSCAN
Start	2175	End	2617
GI	none	Score	.99
Exons	2175..2188, 2257..2617		

Seq. No.	16627	Seq. ID	OJ990627_37.9C10.C18
Gene No.	35090	Strand	+
Start	152	End	904
Name	OJ990627_37.9C10.C18.o1.gs	Method	GENSCAN
Start	152	End	904
GI	none	Score	.42
Exons	152..395, 695..904		

Seq. No.	16627	Seq. ID	OJ990627_37.9C10.C18
Gene No.	35091	Strand	-

Start	2925	End	3079
Name	OJ990627_37.9C10.C18.o2.gs	Method	GENSCAN
Start	2925	End	3079
GI	none	Score	.47
Exons	2925..3079		

Seq. No.	16628	Seq. ID	OJ990627_37.9C10.C19
Gene No.	35092	Strand	-
Start	1	End	310
Name	OJ990627_37.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	310
GI	629693	Score	141
Exons	1..310		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	16629	Seq. ID	OJ990627_37.9C10.C21
Gene No.	35093	Strand	-
Start	57	End	2784
Name	OJ990627_37.9C10.C21.o1.gs	Method	GENSCAN
Start	57	End	2784
GI	none	Score	.6
Exons	57..328, 406..994, 1092..1128, 1228..1360, 2611..2784		

Seq. No.	16630	Seq. ID	OJ990627_37.9C10.C22
Gene No.	35094	Strand	-
Start	344	End	1267
Name	OJ990627_37.9C10.C22.o1.np	Method	AAT/NAP
Start	320	End	1267
GI	4680203	Score	539
Exons	320..1267		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16630	Seq. ID	OJ990627_37.9C10.C22
Gene No.	35094	Strand	-
Start	344	End	1267
Name	OJ990627_37.9C10.C22.o1.gs	Method	GENSCAN
Start	344	End	1195
GI	none	Score	.8
Exons	344..1060, 1070..1195		

Seq. No.	16630	Seq. ID	OJ990627_37.9C10.C22
Gene No.	35094	Strand	-
Start	344	End	1267
Name	OJ990627_37.9C10.C22.o1.tw	Method	TBLASTX:Wheat
Start	524	End	1267
GI	none	Score	69
Exons	524..628, 525..632, 653..691, 698..745, 734..925, 750..890, 929..1090, 933..1055, 1109..1267		

Seq. No.	16630	Seq. ID	OJ990627_37.9C10.C22
Gene No.	35094	Strand	-
Start	344	End	1267
Name	OJ990627_37.9C10.C22.o1.tc	Method	TBLASTX:Cress
Start	938	End	1267
GI	none	Score	68
Exons	938..1090, 951..1055, 1109..1267		

Seq. No.	16631	Seq. ID	OJ990627_37.9C10.C23
Gene No.	35095	Strand	+
Start	124	End	1084
Name	OJ990627_37.9C10.C23.o1.gs	Method	GENSCAN
Start	124	End	1084
GI	none	Score	.7
Exons	124..474, 534..596, 666..728, 998..1084		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o1.np	Method	AAT/NAP
Start	1	End	2868
GI	1086900	Score	299
Exons	1..104, 1281..1387, 1566..1669, 1786..1901, 2622..2868		
GI Descrip.	(U41278) contains similarity to G beta repeats (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis elegans]		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o1.gp	Method	AAT/GAP
Start	29	End	1675
GI	LIB3433-051-P1-K1-H11	Score	427
Exons	29..104, 1281..1387, 1570..1675		
GI Descrip.	'2982268 4.0e-24 (AF051217) probable 40S ribosomal protein S15 [Picea mariana]'		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o1.gs	Method	GENSCAN
Start	495	End	2883
GI	none	Score	.88
Exons	495..516, 1566..1675, 1792..1899, 2446..2548, 2666..2883		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o3.ts	Method	TBLASTX:Soybean
Start	1280	End	2839
GI	none	Score	72
Exons	1280..1321, 1318..1389, 1325..1390, 1558..1677, 1565..1681, 1566..1676, 1789..1899, 1793..1891, 2443..2550, 2444..2548, 2674..2826, 2674..2838, 2675..2839, 2737..2829		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o1.tc	Method	TBLASTX:Cress
Start	1799	End	2838
GI	none	Score	87
Exons	1799..1897, 1807..1899, 2443..2547, 2459..2548, 2665..2838, 2674..2826, 2678..2830, 2737..2829		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27

Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o2.gp	Method	AAT/GAP
Start	2462	End	2928
GI	1631780	Score	616
Exons	2462..2548, 2666..2928		
GI Descrip.	1086900 5.0e-15 (U41278) contains similarity to G beta repeats (PROSITE:PS00670) of the beta-transducin family [Caenorhabditis elegans]		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35096	Strand	-
Start	1	End	2928
Name	OJ990627_37.9C10.C27.o2.tm	Method	TBLASTX:Maize
Start	2722	End	2836
GI	none	Score	150
Exons	2722..2835, 2723..2836		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35097	Strand	
Start	3174	End	4023
Name	OJ990627_37.9C10.C27.o2.ts	Method	TBLASTX:Soybean
Start	3174	End	3549
GI	none	Score	119
Exons	3174..3254, 3178..3255, 3267..3356, 3268..3375, 3304..3363, 3385..3549, 3411..3533, 3430..3549		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35097	Strand	
Start	3174	End	4023
Name	OJ990627_37.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	3178	End	3933
GI	none	Score	88
Exons	3178..3255, 3340..3684, 3778..3933		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35097	Strand	
Start	3174	End	4023
Name	OJ990627_37.9C10.C27.o1.tw	Method	TBLASTX:Wheat
Start	3178	End	3585
GI	none	Score	88
Exons	3178..3255, 3340..3585		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35097	Strand	
Start	3174	End	4023
Name	OJ990627_37.9C10.C27.o2.tc	Method	TBLASTX:Cress
Start	3178	End	3948
GI	none	Score	88
Exons	3178..3255, 3340..3663, 3778..3948		

Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35097	Strand	
Start	3174	End	4023
Name	OJ990627_37.9C10.C27.o4.ts	Method	TBLASTX:Soybean
Start	3772	End	4023
GI	none	Score	146

Exons	3772..3933, 3777..3821, 3891..3932, 3979..4023		
Seq. No.	16632	Seq. ID	OJ990627_37.9C10.C27
Gene No.	35098	Strand	
Start	4344	End	4728
Name	OJ990627_37.9C10.C27.o1.ts	Method	TBLASTX:Soybean
Start	4344	End	4728
GI	none	Score	148
Exons	4344..4466, 4345..4467, 4486..4728, 4521..4727		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35099	Strand	-
Start	1	End	3336
Name	OJ990627_37.9C10.C28.o1.np	Method	AAT/NAP
Start	1	End	3202
GI	5295971	Score	2287
Exons	1..3202		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35099	Strand	-
Start	1	End	3336
Name	OJ990627_37.9C10.C28.o1.gs	Method	GENSCAN
Start	122	End	3336
GI	none	Score	.4
Exons	122..1624, 1745..3336		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o2.ts	Method	TBLASTX:Soybean
Start	94	End	594
GI	5509260	Score	61
Exons	94..594, 116..160, 118..468, 326..556		
GI Descrip.	-		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o2.tw	Method	TBLASTX:Wheat
Start	106	End	513
GI	none	Score	112
Exons	106..420, 109..513		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o2.tc	Method	TBLASTX:Cress
Start	208	End	472
GI	none	Score	93
Exons	208..471, 214..390, 239..472		
Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731

Name	OJ990627_37.9C10.C28.o2.tm	Method	TBLASTX:Maize
Start	247	End	567
GI	none	Score	169
Exons	247..567, 248..547		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o1.ts	Method	TBLASTX:Soybean
Start	895	End	1392
GI	none	Score	151
Exons	895..1392, 1019..1387		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o1.tc	Method	TBLASTX:Cress
Start	925	End	1401
GI	none	Score	44
Exons	925..1401, 941..1111, 1084..1311, 1295..1357		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o1.tm	Method	TBLASTX:Maize
Start	994	End	1417
GI	none	Score	40
Exons	994..1065, 995..1054, 1049..1417, 1078..1416		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o1.tw	Method	TBLASTX:Wheat
Start	1066	End	1626
GI	none	Score	57
Exons	1066..1155, 1067..1156, 1162..1626, 1172..1609		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o3.ts	Method	TBLASTX:Soybean
Start	1429	End	1761
GI	none	Score	82
Exons	1429..1761, 1436..1690, 1585..1665		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o3.tw	Method	TBLASTX:Wheat
Start	1699	End	2151
GI	none	Score	79
Exons	1699..1785, 1786..2151, 1840..2136, 1874..2137		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o3.tm	Method	TBLASTX:Maize

Start	1765	End	2173
GI	none	Score	156
Exons	1765..2172, 1973..2173		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o4.tm	Method	TBLASTX:Maize
Start	2668	End	2992
GI	none	Score	57
Exons	2668..2991, 2681..2785, 2689..2991, 2873..2992		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o4.tw	Method	TBLASTX:Wheat
Start	2686	End	3066
GI	none	Score	59
Exons	2686..3066, 2953..3039		

Seq. No.	16633	Seq. ID	OJ990627_37.9C10.C28
Gene No.	35100	Strand	-
Start	4157	End	5731
Name	OJ990627_37.9C10.C28.o2.gs	Method	GENSCAN
Start	4157	End	5731
GI	none	Score	.87
Exons	4157..4487, 5721..5731		

Seq. No.	16634	Seq. ID	OJ990627_37.9C10.C29
Gene No.	35101	Strand	+
Start	864	End	2775
Name	OJ990627_37.9C10.C29.o1.gs	Method	GENSCAN
Start	864	End	2775
GI	none	Score	.7
Exons	864..1044, 1406..1931, 1989..2031, 2670..2775		

Seq. No.	16635	Seq. ID	OJ990627_37.9C10.C32
Gene No.	35102	Strand	+
Start	491	End	1116
Name	OJ990627_37.9C10.C32.o1.gs	Method	GENSCAN
Start	491	End	1020
GI	none	Score	.82
Exons	491..550, 718..1020		

Seq. No.	16635	Seq. ID	OJ990627_37.9C10.C32
Gene No.	35102	Strand	+
Start	491	End	1116
Name	OJ990627_37.9C10.C32.o1.np	Method	AAT/NAP
Start	491	End	1116
GI	2498930	Score	673
Exons	491..550, 718..1116		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16636	Seq. ID	OJ990627_37.9C10.C33
Gene No.	35103	Strand	+
Start	87	End	530

Name	OJ990627_37.9C10.C33.o1.gs	Method	GENSCAN
Start	87	End	530
GI	none	Score	.71
Exons	87..257, 262..455, 457..530		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35104	Strand	+
Start	1	End	5347
Name	OJ990627_37.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	5347
GI	5852180	Score	452
Exons	1..37, 1280..1333, 2316..2434, 2486..2933, 5284..5347		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35104	Strand	+
Start	1	End	5347
Name	OJ990627_37.9C10.C37.o1.gs	Method	GENSCAN
Start	394	End	1633
GI	none	Score	.53
Exons	394..429, 1430..1633		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35105	Strand	-
Start	1182	End	4780
Name	OJ990627_37.9C10.C37.o1.ts	Method	TBLASTX:Soybean
Start	140	End	406
GI	none	Score	193
Exons	140..406		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35105	Strand	-
Start	1182	End	4780
Name	OJ990627_37.9C10.C37.o1.gp	Method	AAT/GAP
Start	1182	End	1563
GI	uC-osflcyp033a04b1	Score	667
Exons	1182..1563		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35105	Strand	-
Start	1182	End	4780
Name	OJ990627_37.9C10.C37.o2.np	Method	AAT/NAP
Start	1314	End	4758
GI	6523547	Score	285
Exons	1314..1364, 2314..3010, 3138..3383, 4146..4198, 4709..4758		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	16637	Seq. ID	OJ990627_37.9C10.C37
Gene No.	35105	Strand	-
Start	1182	End	4780
Name	OJ990627_37.9C10.C37.o2.gs	Method	GENSCAN
Start	2435	End	4780
GI	none	Score	.66
Exons	2435..2881, 3846..3975, 4164..4220, 4651..4780		

Seq. No.	16638	Seq. ID	OJ990627_37.9C10.C39
Gene No.	35106	Strand	-
Start	441	End	484
Name	OJ990627_37.9C10.C39.o1.gs	Method	GENSCAN
Start	441	End	484
GI	none	Score	.86
Exons	441..484		

Seq. No.	16639	Seq. ID	OJ990627_37.9C10.C40
Gene No.	35107	Strand	+
Start	191	End	2036
Name	OJ990627_37.9C10.C40.o1.np	Method	AAT/NAP
Start	191	End	2036
GI	6006359	Score	78
Exons	191..291, 1957..2036		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16640	Seq. ID	OJ990627_37.9C10.C41
Gene No.	35108	Strand	+
Start	155	End	1455
Name	OJ990627_37.9C10.C41.o1.gp	Method	AAT/GAP
Start	155	End	743
GI	2310235	Score	304
Exons	155..192, 604..743		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	16640	Seq. ID	OJ990627_37.9C10.C41
Gene No.	35108	Strand	+
Start	155	End	1455
Name	OJ990627_37.9C10.C41.o1.gs	Method	GENSCAN
Start	604	End	1416
GI	none	Score	.86
Exons	604..1416		

Seq. No.	16640	Seq. ID	OJ990627_37.9C10.C41
Gene No.	35108	Strand	+
Start	155	End	1455
Name	OJ990627_37.9C10.C41.o1.np	Method	AAT/NAP
Start	604	End	1455
GI	4680203	Score	941
Exons	604..1455		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16640	Seq. ID	OJ990627_37.9C10.C41
Gene No.	35108	Strand	+
Start	155	End	1455
Name	OJ990627_37.9C10.C41.o1.tw	Method	TBLASTX:Wheat
Start	955	End	1306
GI	none	Score	103
Exons	955..1062, 1045..1296, 1053..1295, 1055..1306		

Seq. No.	16640	Seq. ID	OJ990627_37.9C10.C41
Gene No.	35108	Strand	+
Start	155	End	1455
Name	OJ990627_37.9C10.C41.o1.ts	Method	TBLASTX:Soybean

Start	1078	End	1368
GI	none	Score	238
Exons	1078..1296, 1086..1292, 1303..1368		

Seq. No.	16641	Seq. ID	OJ990807_33.9C03.C1
Gene No.	35109	Strand	-
Start	25	End	648
Name	OJ990807_33.9C03.C1.o1.gs	Method	GENSCAN
Start	25	End	648
GI	none	Score	.53
Exons	25..270, 410..648		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35110	Strand	+
Start	288	End	577
Name	OJ990807_33.9C03.C2.o1.gs	Method	GENSCAN
Start	288	End	577
GI	none	Score	.96
Exons	288..577		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35111	Strand	+
Start	5657	End	6387
Name	OJ990807_33.9C03.C2.o4.gs	Method	GENSCAN
Start	5657	End	6387
GI	none	Score	.78
Exons	5657..5669, 5689..5764, 5775..5872, 5939..6387		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35112	Strand	+
Start	7944	End	8159
Name	OJ990807_33.9C03.C2.o5.gs	Method	GENSCAN
Start	7944	End	8159
GI	none	Score	.65
Exons	7944..8023, 8153..8159		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35113	Strand	+
Start	10714	End	11466
Name	OJ990807_33.9C03.C2.o2.gp	Method	AAT/GAP
Start	10714	End	11466
GI	none	Score	1320
Exons	10714..11466		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35114	Strand	-
Start	279	End	745
Name	OJ990807_33.9C03.C2.o1.gp	Method	AAT/GAP
Start	279	End	745
GI	none	Score	883
Exons	279..745		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35115	Strand	-
Start	3911	End	4895
Name	OJ990807_33.9C03.C2.o3.gs	Method	GENSCAN
Start	3911	End	4895

GI	none	Score	.69
Exons	3911..4156, 4181..4574, 4597..4895		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35116	Strand	-
Start	10420	End	14341
Name	OJ990807_33.9C03.C2.o6.gs	Method	GENSCAN
Start	10420	End	14341
GI	none	Score	.7
Exons	10420..10566, 10578..10800, 13359..14341		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35116	Strand	-
Start	10420	End	14341
Name	OJ990807_33.9C03.C2.o1.np	Method	AAT/NAP
Start	13352	End	14320
GI	542058	Score	481
Exons	13352..14320		
GI Descrip.	HSR203J protein - common tobacco gi|444002|emb|CAA54393| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35116	Strand	-
Start	10420	End	14341
Name	OJ990807_33.9C03.C2.o4.gp	Method	AAT/GAP
Start	13480	End	13998
GI	uC-osflm202113f08b1	Score	985
Exons	13480..13998		
GI Descrip.	'542058/pir||S42807 1.0e-31 HSR203J protein - common tobacco >gi_444002_emb_CAA54393_ (X77136) HSR203J [Nicotiana tabacum]'		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	3930	End	17311
GI	none	Score	68
Exons	3930..4028, 3956..4054, 4052..4261, 4328..4378, 4361..4471, 4362..4433, 4475..4531, 4479..4529, 4545..4688, 4546..4689, 4791..4877, 4792..4878, 13394..13699, 13395..13493, 13596..13682, 13697..13795, 13790..13900, 13794..13892, 13892..14113, 13986..14105, 14129..14206, 14243..14308, 16367..16657, 16368..16439, 16560..16625, 16710..16853, 16712..16864, 16904..17107, 16905..16991, 17132..17203, 17246..17311		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	4052	End	16852
GI	none	Score	69
Exons	4052..4327, 4349..4423, 13463..13789, 13778..13855, 16400..16639, 16778..16852		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-

Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	4112	End	16864
GI	none	Score	149
Exons	4112..4363, 4125..4400, 4361..4459, 4362..4433, 13547..13789, 13596..13790, 13763..13891, 13764..13901, 16520..16645, 16551..16628, 16710..16853, 16712..16864		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	4475	End	17318
GI	none	Score	122
Exons	4475..4528, 4545..4688, 4546..4689, 4641..4787, 4702..4785, 4806..4907, 4816..4887, 13907..13972, 13970..14191, 13986..14192, 14243..14344, 14247..14345, 16910..16975, 16911..16976, 16973..17104, 16973..17203, 16977..17207, 17198..17308, 17201..17317, 17202..17318		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	4512	End	17317
GI	none	Score	60
Exons	4512..4604, 4545..4673, 4546..4671, 4641..4784, 4714..4764, 4807..4896, 4815..4913, 13949..14191, 13986..14192, 14246..14380, 14247..14318, 16922..17317, 16926..17102, 17165..17308, 17241..17315		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	4554	End	17311
GI	none	Score	87
Exons	4554..4721, 4555..4689, 4812..4880, 13949..13981, 13985..14101, 13986..14099, 14243..14308, 16904..16951, 16911..16952, 16952..16984, 16953..16985, 16988..17104, 17040..17102, 17075..17311		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o2.np	Method	AAT/NAP
Start	16331	End	17323
GI	5487873	Score	507
Exons	16331..17323		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		

Seq. No.	16642	Seq. ID	OJ990807_33.9C03.C2
Gene No.	35117	Strand	-
Start	16334	End	17341
Name	OJ990807_33.9C03.C2.o7.gs	Method	GENSCAN
Start	16334	End	17341
GI	none	Score	1

Exons	16334..17341		
Seq. No.	16643	Seq. ID	OJ990807_33.9C03.C3
Gene No.	35118	Strand	-
Start	1	End	207
Name	OJ990807_33.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	207
GI	6671947	Score	135
Exons	1..68, 144..207		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35119	Strand	+
Start	1478	End	2369
Name	OJ990807_33.9C03.C4.o1.gs	Method	GENSCAN
Start	1478	End	2369
GI	none	Score	.42
Exons	1478..1591, 2352..2369		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35120	Strand	+
Start	9391	End	12026
Name	OJ990807_33.9C03.C4.o3.gs	Method	GENSCAN
Start	9391	End	12026
GI	none	Score	.51
Exons	9391..9481, 9563..9613, 11803..12026		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35121	Strand	-
Start	4038	End	14997
Name	OJ990807_33.9C03.C4.o2.gs	Method	GENSCAN
Start	4038	End	5084
GI	none	Score	.58
Exons	4038..5084		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35121	Strand	-
Start	4038	End	14997
Name	OJ990807_33.9C03.C4.o1.np	Method	AAT/NAP
Start	4050	End	13834
GI	5487873	Score	524
Exons	4050..4499, 13332..13834		
GI Descrip.	(AF110333) PrMC3 [Pinus radiata]		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35121	Strand	-
Start	4038	End	14997
Name	OJ990807_33.9C03.C4.o1.gp	Method	AAT/GAP
Start	12700	End	13214
GI	3762775	Score	881
Exons	12700..13214		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35121	Strand	-
Start	4038	End	14997
Name	OJ990807_33.9C03.C4.o4.gs	Method	GENSCAN

Start	12843	End	14997
GI	none	Score	.99
Exons	12843..13778, 14950..14997		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35122	Strand	-
Start	15974	End	22631
Name	OJ990807_33.9C03.C4.o5.gs	Method	GENSCAN
Start	15974	End	22469
GI	none	Score	.83
Exons	15974..16167, 16596..16726, 18372..18426, 18646..18754, 19113..19187, 19693..19789, 19952..20035, 20072..20128, 20296..20356, 20640..20799, 21077..21169, 21675..21723, 21864..21964, 22007..22028, 22030..22146, 22234..22469		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35122	Strand	-
Start	15974	End	22631
Name	OJ990807_33.9C03.C4.o2.np	Method	AAT/NAP
Start	15986	End	21183
GI	5824481	Score	416
Exons	15986..16093, 16477..16520, 16596..16721, 16936..17021, 17613..17675, 17918..18030, 18646..18754, 19113..19187, 19693..19789, 19952..20013, 20092..20128, 20296..20356, 20664..20778, 21077..21183		
GI Descrip.	(Z74031) Similarity to Yeast D-lactate dehydrogenase (SW:DLD1_YEAST); cDNA EST EMBL:C12235 comes from this gene; cDNA EST EMBL:C12916 comes from this gene; cDNA EST EMBL:C10532 comes from this gene; cDNA EST EMBL:C10979 comes...		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35122	Strand	-
Start	15974	End	22631
Name	OJ990807_33.9C03.C4.o3.np	Method	AAT/NAP
Start	21893	End	22631
GI	5306245	Score	156
Exons	21893..21996, 22195..22631		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	4071	End	13724
GI	none	Score	43
Exons	4071..4391, 4090..4155, 4252..4335, 4387..4458, 4389..4460, 4516..4569, 4524..4589, 4617..4808, 4654..4698, 4771..4827, 4941..5030, 12910..12975, 12921..13145, 13048..13146, 13146..13250, 13206..13310, 13210..13311, 13282..13416, 13308..13415, 13431..13634, 13440..13694, 13644..13724		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	4086	End	12992
GI	none	Score	102

Exons	4086..4232, 4087..4176, 4146..4232, 12903..12992		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	4173	End	13211
GI	none	Score	47
Exons	4173..4391, 12879..12992, 12919..12993, 13047..13145, 13048..13146, 13128..13211		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	4239	End	13422
GI	none	Score	160
Exons	4239..4460, 4252..4458, 4516..4569, 4524..4586, 4527..4604, 13053..13145, 13054..13146, 13146..13301, 13210..13302, 13311..13421, 13318..13422		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	4524	End	13640
GI	none	Score	38
Exons	4524..4589, 4542..4571, 4680..4808, 4681..4827, 13248..13421, 13416..13487, 13488..13640		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	4611	End	13702
GI	none	Score	202
Exons	4611..4808, 4627..4827, 4872..4904, 13428..13634, 13440..13631, 13652..13702		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	4644	End	13715
GI	none	Score	63
Exons	4644..4715, 4650..4808, 4651..4824, 4858..4941, 4872..4946, 4980..5030, 13449..13634, 13464..13676, 13653..13715		
Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	13841	End	22278
GI	none	Score	106
Exons	13841..13894, 13877..13978, 20684..20779, 20685..20780, 20685..20780, 20686..20781, 20686..20781, 21078..21170, 21078..21170, 21079..21171, 21091..21171, 21663..21749,		

21674..21712, 21864..21965, 21866..21964, 22045..22146,
22053..22148, 22233..22256, 22234..22278

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	15956	End	17045
GI	none	Score	136
Exons	15956..16096, 15969..16094, 16477..16521, 16478..16522, 16591..16722, 16592..16723, 16947..17045		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	15974	End	16094
GI	none	Score	114
Exons	15974..16087, 15974..16093, 15978..16094		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	16459	End	17028
GI	none	Score	63
Exons	16459..16521, 16477..16521, 16478..16522, 16479..16523, 16590..16727, 16591..16728, 16591..16725, 16593..16730, 16942..17028, 16944..17021		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	21077	End	22149
GI	none	Score	97
Exons	21077..21172, 21078..21170, 21672..21731, 21837..21956, 21870..21965, 21872..21967, 21872..21967, 22056..22145, 22078..22149		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o4.np	Method	AAT/NAP
Start	24541	End	27686
GI	5295950	Score	210
Exons	24541..24566, 25298..25459, 25732..25914, 26017..26536, 27666..27686		
GI Descrip.	(AB026295) EST AU066268(S5980) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16644	Seq. ID	OJ990807_33.9C03.C4
Gene No.	35123	Strand	-
Start	25077	End	27686
Name	OJ990807_33.9C03.C4.o6.gs	Method	GENSCAN
Start	25077	End	27275
GI	none	Score	.65

Exons	25077..25499, 25772..25927, 26039..26911, 27175..27275		
Seq. No.	16645	Seq. ID	OJ990807_33.9C03.C5
Gene No.	35124	Strand	-
Start	104	End	1932
Name	OJ990807_33.9C03.C5.o1.gs	Method	GENSCAN
Start	104	End	1932
GI	none	Score	.97
Exons	104..257, 460..650, 1653..1792, 1869..1932		
Seq. No.	16645	Seq. ID	OJ990807_33.9C03.C5
Gene No.	35125	Strand	-
Start	2654	End	2824
Name	OJ990807_33.9C03.C5.o2.gs	Method	GENSCAN
Start	2654	End	2824
GI	none	Score	.69
Exons	2654..2824		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35126	Strand	+
Start	467	End	985
Name	OJ990807_33.9C03.C6.o1.gs	Method	GENSCAN
Start	467	End	985
GI	none	Score	.8
Exons	467..526, 627..654, 828..985		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35127	Strand	+
Start	8922	End	24103
Name	OJ990807_33.9C03.C6.o3.gs	Method	GENSCAN
Start	8922	End	24103
GI	none	Score	.77
Exons	8922..9039, 9125..9212, 10213..10339, 11097..11191, 11610..11701, 11873..11926, 12768..12820, 13017..13084, 13323..13398, 13705..13788, 14339..14487, 14921..15038, 15129..15245, 15496..15716, 16142..16231, 16378..16489, 16925..17050, 17125..17262, 17354..17404, 17484..17596, 18799..18864, 19128..19275, 19563..19664, 20041..20113, 20193..20359, 20452..20562, 23168..23738, 24063..24103		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35127	Strand	+
Start	8922	End	24103
Name	OJ990807_33.9C03.C6.o2.np	Method	AAT/NAP
Start	10146	End	20556
GI	2501067	Score	1305
Exons	10146..10339, 10895..10978, 11097..11191, 11610..11701, 11873..11926, 12768..12820, 13017..13084, 13329..13398, 13705..13788, 14339..14487, 14921..15038, 15129..15245, 15496..15716, 16142..16231, 16378..16489, 16940..17072, 17120..17242, 17364..17411, 17491..17596, 19128..19386, 19563..19646, 20102..20359, 20452..20556		
GI Descrip.	VALYL-TRNA SYNTHETASE (VALINE--TRNA LIGASE) (VALRS) gi|1001391|dbj|BAA10881| (D64006) valyl-tRNA synthetase [Synechocystis sp.]		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6

Gene No.	35127	Strand	+
Start	8922	End	24103
Name	OJ990807_33.9C03.C6.o1.gp	Method	AAT/GAP
Start	16378	End	17594
GI	LIB3432-058-P1-K1-C7	Score	871
Exons	16378..16489, 16940..17050, 17125..17262, 17354..17404, 17484..17594		
GI Descrip.	'4982399/gb|AAD36880.1|AE001819_3 2.0e-33 (AE001819) valyl-tRNA synthetase [Thermotoga maritima]'		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35128	Strand	-
Start	886	End	7769
Name	OJ990807_33.9C03.C6.o1.np	Method	AAT/NAP
Start	886	End	4783
GI	6539553	Score	6380
Exons	886..4783		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35128	Strand	-
Start	886	End	7769
Name	OJ990807_33.9C03.C6.o2.gs	Method	GENSCAN
Start	1332	End	7769
GI	none	Score	.71
Exons	1332..2565, 2938..3821, 3857..4726, 4977..5256, 5396..5543, 7126..7309, 7686..7769		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35129	Strand	-
Start	22575	End	27528
Name	OJ990807_33.9C03.C6.o3.np	Method	AAT/NAP
Start	22575	End	27528
GI	2443320	Score	78
Exons	22575..22645, 27502..27528		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	1022	End	1497
GI	none	Score	126
Exons	1022..1135, 1022..1135, 1054..1137, 1057..1137, 1101..1139, 1137..1406, 1140..1406, 1147..1407, 1422..1496, 1426..1497		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o6.ts	Method	TBLASTX:Soybean
Start	1149	End	1490
GI	none	Score	97
Exons	1149..1358, 1170..1358, 1377..1490, 1384..1464		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o6.tm	Method	TBLASTX:Maize
Start	1353	End	1685
GI	none	Score	208
Exons	1353..1685, 1366..1677, 1368..1685		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o4.ts	Method	TBLASTX:Soybean
Start	1503	End	1848
GI	none	Score	104
Exons	1503..1847, 1648..1848		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	1701	End	2246
GI	none	Score	35
Exons	1701..1907, 1731..1832, 1902..2246, 1926..2099		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	1782	End	2247
GI	none	Score	56
Exons	1782..2246, 1897..1995, 1929..2093, 2065..2247		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	1917	End	2381
GI	5509260	Score	355
Exons	1917..2381		
GI Descrip.	-		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	2028	End	2288
GI	none	Score	259
Exons	2028..2288		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	2301	End	3056
GI	none	Score	496
Exons	2301..3047, 2301..2534, 2318..2548, 2572..3048, 2598..3056		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	2706	End	3104
GI	none	Score	78
Exons	2706..2879, 2880..3104, 2895..3095, 2926..3096		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o7.tm	Method	TBLASTX:Maize
Start	2706	End	3200
GI	none	Score	86
Exons	2706..2873, 2892..3200, 2926..3117		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	3057	End	3230
GI	none	Score	158
Exons	3057..3230, 3057..3221, 3058..3222		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	3521	End	3843
GI	none	Score	387
Exons	3521..3688, 3522..3836, 3523..3816, 3523..3843		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	4341	End	4654
GI	none	Score	267
Exons	4341..4646, 4343..4654, 4346..4648		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	4403	End	4789
GI	none	Score	226
Exons	4403..4789, 4404..4778		

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	10171	End	19275
GI	none	Score	119
Exons	10171..10368, 10214..10339, 10892..10981, 11097..11192, 11605..11703, 11610..11693, 13339..13395, 14342..14479, 15498..15578, 15499..15654, 15646..15732, 16140..16190,		

16185..16241, 16379..16498, 16379..16468, 16381..16482,
16940..17038, 16964..17044, 17128..17214, 19174..19275,
19188..19274

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o5.ts	Method	TBLASTX:Soybean
Start	14987	End	15573
GI	none	Score	89

Exons 14987..15040, 14988..15041, 14994..15041, 15128..15244,
15129..15248, 15129..15245, 15493..15573, 15507..15572

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	15134	End	16437
GI	none	Score	190

Exons 15134..15244, 15135..15248, 15135..15245, 15491..15715,
15493..15714, 15509..15730, 16118..16237, 16140..16241,
16378..16437, 16379..16435

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o8.tm	Method	TBLASTX:Maize
Start	16931	End	17279
GI	none	Score	187

Exons 16931..17050, 16932..17051, 16937..17050, 16939..17052,
16939..17055, 17095..17199, 17122..17175, 17124..17201,
17161..17262, 17166..17279, 17167..17262

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o11.tm	Method	TBLASTX:Maize
Start	17502	End	19269
GI	none	Score	93

Exons 17502..17561, 17503..17589, 17504..17584, 19117..19269,
19128..19265

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o10.tm	Method	TBLASTX:Maize
Start	18171	End	18583
GI	none	Score	51

Exons 18171..18224, 18171..18230, 18307..18444, 18325..18444,
18444..18494, 18508..18567, 18509..18583

Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o12.tm	Method	TBLASTX:Maize
Start	18820	End	19054
GI	none	Score	86

Exons	18820..19053, 18821..19054		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	19117	End	19616
GI	none	Score	55
Exons	19117..19167, 19128..19169, 19162..19281, 19164..19280, 19363..19473, 19563..19616, 19565..19615		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o9.tm	Method	TBLASTX:Maize
Start	19363	End	20114
GI	none	Score	142
Exons	19363..19473, 19371..19475, 19552..19650, 19555..19650, 19556..19663, 19562..19663, 19563..19664, 20011..20112, 20022..20114		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	20191	End	20616
GI	none	Score	140
Exons	20191..20358, 20192..20359, 20195..20350, 20452..20616, 20452..20583, 20454..20612		
Seq. No.	16646	Seq. ID	OJ990807_33.9C03.C6
Gene No.	35130	Strand	-
Start	28612	End	29946
Name	OJ990807_33.9C03.C6.o4.gs	Method	GENSCAN
Start	28612	End	29946
GI	none	Score	.84
Exons	28612..28722, 28795..28924, 29879..29946		
Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35131	Strand	+
Start	1792	End	7298
Name	OJ990807_33.9C03.C7.o2.gs	Method	GENSCAN
Start	1792	End	6263
GI	none	Score	.86
Exons	1792..1915, 2953..3059, 3373..3448, 3876..4023, 4447..4568, 5216..5331, 5876..5974, 6154..6263		
Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35131	Strand	+
Start	1792	End	7298
Name	OJ990807_33.9C03.C7.o1.np	Method	AAT/NAP
Start	2835	End	7298
GI	6671947	Score	1772
Exons	2835..2891, 3382..3448, 3876..4023, 4129..4286, 4365..4630, 4712..4930, 5027..5135, 5216..5331, 5876..5974, 6154..6263, 6473..6553, 7275..7298		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase		

[Arabidopsis thaliana]

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35132	Strand	-
Start	27	End	766
Name	OJ990807_33.9C03.C7.o1.gs	Method	GENSCAN
Start	27	End	766
GI	none	Score	.65
Exons	27..766		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35133	Strand	
Start	2922	End	4426
Name	OJ990807_33.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	2922	End	4185
GI	none	Score	72
Exons	2922..2960, 3020..3136, 3868..4023, 3869..4024, 3869..4042, 3903..4028, 4127..4183, 4129..4185, 4130..4183		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35133	Strand	
Start	2922	End	4426
Name	OJ990807_33.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	3875	End	4426
GI	none	Score	184
Exons	3875..4024, 3886..4035, 3895..4035, 4129..4284, 4130..4285, 4355..4426, 4363..4422		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35133	Strand	
Start	2922	End	4426
Name	OJ990807_33.9C03.C7.o3.tc	Method	TBLASTX:Cress
Start	3880	End	4201
GI	none	Score	175
Exons	3880..4035, 3881..4024, 4128..4196, 4129..4200, 4130..4201		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	4387	End	6570
GI	none	Score	52
Exons	4387..4422, 4387..4428, 4391..4444, 4402..4500, 4421..4630, 4424..4630, 4425..4631, 4534..4632, 4709..4930, 4710..4931, 4710..4931, 4711..4932, 4711..4947, 5029..5133, 5029..5133, 5030..5134, 5214..5357, 5215..5331, 5872..5973, 5873..5977, 5875..5973, 6130..6261, 6130..6261, 6152..6292, 6465..6548, 6470..6532, 6472..6570		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o1.tc	Method	TBLASTX:Cress
Start	4430	End	4882
GI	none	Score	318
Exons	4430..4630, 4433..4630, 4534..4632, 4540..4638, 4709..4882, 4711..4881		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	4543	End	4887
GI	none	Score	160
Exons	4543..4638, 4544..4630, 4546..4632, 4709..4885, 4711..4887, 4711..4881		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o2.tc	Method	TBLASTX:Cress
Start	4883	End	5962
GI	none	Score	72
Exons	4883..4930, 4885..4929, 5024..5134, 5024..5110, 5026..5133, 5214..5357, 5215..5331, 5222..5335, 5873..5962, 5875..5961		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	4888	End	6557
GI	none	Score	62
Exons	4888..4929, 4889..4930, 5023..5133, 5024..5134, 5026..5133, 5214..5357, 5215..5331, 5219..5335, 5872..5970, 5873..5977, 5874..5969, 5875..5970, 6130..6261, 6130..6261, 6158..6262, 6465..6551, 6470..6529, 6510..6557		

Seq. No.	16647	Seq. ID	OJ990807_33.9C03.C7
Gene No.	35134	Strand	
Start	4387	End	6570
Name	OJ990807_33.9C03.C7.o4.tc	Method	TBLASTX:Cress
Start	6130	End	6557
GI	none	Score	187
Exons	6130..6261, 6130..6261, 6158..6262, 6470..6523, 6471..6551, 6510..6557		

Seq. No.	16648	Seq. ID	OJ990807_35.9C17.C1
Gene No.	35135	Strand	+
Start	1	End	340
Name	OJ990807_35.9C17.C1.o1.gp	Method	AAT/GAP
Start	1	End	340
GI	28932_1.R1084	Score	571
Exons	1..340		
GI Descrip.	'1839188 2.0e-39 (U86081) root hair defective 3 [Arabidopsis thaliana]'		

Seq. No.	16648	Seq. ID	OJ990807_35.9C17.C1
Gene No.	35135	Strand	+
Start	1	End	340
Name	OJ990807_35.9C17.C1.o1.gs	Method	GENSCAN
Start	82	End	282
GI	none	Score	.81
Exons	82..282		

Seq. No.	16649	Seq. ID	OJ990807_35.9C17.C2
Gene No.	35136	Strand	+
Start	757	End	1326
Name	OJ990807_35.9C17.C2.o1.gs	Method	GENSCAN
Start	757	End	1326
GI	none	Score	.91
Exons	757..1326		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35137	Strand	+
Start	228	End	482
Name	OJ990807_35.9C17.C3.o1.gs	Method	GENSCAN
Start	228	End	482
GI	none	Score	.54
Exons	228..482		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35138	Strand	+
Start	1083	End	12182
Name	OJ990807_35.9C17.C3.o1.np	Method	AAT/NAP
Start	1083	End	12182
GI	5734621	Score	192
Exons	1083..1180, 11535..11644, 11931..12182		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35138	Strand	+
Start	1083	End	12182
Name	OJ990807_35.9C17.C3.o3.gs	Method	GENSCAN
Start	3965	End	9113
GI	none	Score	.56
Exons	3965..3972, 4748..4861, 5445..5736, 5918..6054, 7461..7643, 8954..9113		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35139	Strand	+
Start	16975	End	24291
Name	OJ990807_35.9C17.C3.o2.np	Method	AAT/NAP
Start	16930	End	23629
GI	1839188	Score	1669
Exons	16930..17074, 17374..17440, 17586..17688, 18345..18415, 18535..18598, 18683..18748, 18860..18907, 18988..19050, 19125..19181, 19329..19487, 19621..19689, 19768..19860, 20228..20306, 20679..20844, 21272..21396, 21535..21797, 21919..22015, 22105..22266, 22350..22454, 22775..22869, 22995..23091, 23381..23438, 23471..23629		
GI Descrip.	(U86081) root hair defective 3 [Arabidopsis thaliana]		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35139	Strand	+
Start	16975	End	24291
Name	OJ990807_35.9C17.C3.o6.gs	Method	GENSCAN
Start	16975	End	24291
GI	none	Score	.76
Exons	16975..17074, 17374..17440, 18263..18415, 18535..18598,		

18860..18907, 18988..19050, 19125..19181, 19329..19487,
19621..19689, 20105..20133, 20228..20306, 20679..20844,
21272..21361, 21662..21797, 21919..22015, 22105..22266,
22350..22454, 22775..22869, 22995..23091, 23381..23596,
24220..24291

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35139	Strand	+
Start	16975	End	24291
Name	OJ990807_35.9C17.C3.o1.gp	Method	AAT/GAP
Start	22180	End	23684
GI	28932_1.R1084	Score	1265
Exons	22180..22266, 22350..22454, 22775..22869, 22995..23091, 23381..23684		
GI Descrip.	'1839188 2.0e-39 (U86081) root hair defective 3 [Arabidopsis thaliana]'		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35140	Strand	+
Start	30326	End	32919
Name	OJ990807_35.9C17.C3.o3.gp	Method	AAT/GAP
Start	30258	End	31867
GI	450_1.R1084	Score	1509
Exons	30258..30680, 31277..31321, 31478..31867		
GI Descrip.	'283006/pir||S28608 9.0e-37 osc6 protein - rice'		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35140	Strand	+
Start	30326	End	32919
Name	OJ990807_35.9C17.C3.o4.np	Method	AAT/NAP
Start	30326	End	31327
GI	283006	Score	544
Exons	30326..30680, 31277..31327		
GI Descrip.	osc6 protein - rice		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35140	Strand	+
Start	30326	End	32919
Name	OJ990807_35.9C17.C3.o9.gs	Method	GENSCAN
Start	30326	End	32919
GI	none	Score	.61
Exons	30326..30680, 32288..32388, 32659..32919		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35141	Strand	+
Start	34749	End	37802
Name	OJ990807_35.9C17.C3.o5.np	Method	AAT/NAP
Start	34749	End	37802
GI	6498436	Score	267
Exons	34749..34797, 37173..37418, 37672..37802		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35141	Strand	+
Start	34749	End	37802
Name	OJ990807_35.9C17.C3.o4.gp	Method	AAT/GAP
Start	35904	End	36335

GI	2428185	Score	705
Exons	35904..36335		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35141	Strand	+
Start	34749	End	37802
Name	OJ990807_35.9C17.C3.o5.gp	Method	AAT/GAP
Start	36881	End	37053
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	36881..37053		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35142	Strand	-
Start	821	End	3700
Name	OJ990807_35.9C17.C3.o2.gs	Method	GENSCAN
Start	821	End	3700
GI	none	Score	.59
Exons	821..953, 1097..1210, 1579..1609, 3613..3700		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35143	Strand	-
Start	11397	End	11975
Name	OJ990807_35.9C17.C3.o4.gs	Method	GENSCAN
Start	11397	End	11975
GI	none	Score	.66
Exons	11397..11975		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35144	Strand	-
Start	25793	End	27033
Name	OJ990807_35.9C17.C3.o2.gp	Method	AAT/GAP
Start	25343	End	27033
GI	840_1.R1084	Score	3319
Exons	25343..27033		
GI Descrip.	'4105681 1.0e-141 (AF049348) unknown [Oryza sativa]'		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35144	Strand	-
Start	25793	End	27033
Name	OJ990807_35.9C17.C3.o3.np	Method	AAT/NAP
Start	25792	End	26971
GI	4105681	Score	2223
Exons	25792..26971		
GI Descrip.	(AF049348) unknown [Oryza sativa]		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35144	Strand	-
Start	25793	End	27033
Name	OJ990807_35.9C17.C3.o7.gs	Method	GENSCAN
Start	25793	End	26971
GI	none	Score	.99
Exons	25793..26971		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o4.tm	Method	TBLASTX:Maize
Start	17035	End	18913
GI	none	Score	69
Exons	17035..17088, 17372..17440, 17373..17441, 17578..17688, 17584..17685, 18342..18416, 18344..18409, 18532..18600, 18536..18601, 18682..18747, 18701..18748, 18857..18913		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	18544	End	20828
GI	none	Score	82
Exons	18544..18600, 18545..18601, 18676..18744, 18701..18748, 18824..18919, 18985..19053, 18985..19074, 19116..19184, 19124..19183, 19322..19498, 19326..19499, 19621..19689, 19623..19679, 19808..19861, 20184..20309, 20670..20828		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	19006	End	21372
GI	none	Score	48
Exons	19006..19053, 19116..19211, 19322..19489, 19326..19499, 19621..19689, 19623..19688, 19765..19791, 19807..19878, 20207..20293, 20226..20315, 20661..20831, 20663..20830, 21268..21372		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o5.tm	Method	TBLASTX:Maize
Start	19380	End	19689
GI	none	Score	177
Exons	19380..19499, 19380..19490, 19382..19498, 19618..19689, 19621..19689		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	20685	End	22017
GI	none	Score	60
Exons	20685..20744, 20689..20748, 20691..20747, 20713..20748, 20750..20836, 20751..20840, 20755..20850, 20755..20850, 21280..21333, 21325..21396, 21526..21798, 21534..21797, 21908..22012, 21916..22011, 21917..22012, 21919..22017		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o2.ts	Method	TBLASTX:Soybean
Start	21712	End	22176

GI	none	Score	95
Exons	21712..21798, 21714..21797, 21908..22030, 21916..22044, 22105..22176, 22113..22172		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	25829	End	26872
GI	none	Score	46
Exons	25829..25915, 25841..25915, 25841..25915, 25844..25912, 25863..25904, 25866..25904, 25866..25904, 25976..26059, 25976..26041, 25979..26059, 25997..26074, 25997..26074, 25998..26048, 25998..26048, 25998..26060, 26033..26059, 26126..26209, 26126..26203, 26126..26206, 26126..26212, 26138..26191, 26144..26209, 26177..26209, 26252..26335, 26252..26317, 26252..26344, 26252..26332, 26261..26350, 26270..26335, 26303..26344, 26390..26467, 26390..26449, 26390..26545, 26402..26452, 26405..26503, 26405..26596, 26405..26518, 26418..26504, 26435..26467, 26477..26569, 26505..26561, 26507..26569, 26516..26587, 26525..26638, 26570..26587, 26627..26677, 26627..26665, 26627..26671, 26639..26683, 26816..26872		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35145	Strand	-
Start	34522	End	39579
Name	OJ990807_35.9C17.C3.o10.gs	Method	GENSCAN
Start	34522	End	39579
GI	none	Score	.77
Exons	34522..35097, 35099..35446, 36227..36310, 36863..36942, 37245..37566, 37660..37737, 39122..39504, 39561..39579		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35146	Strand	
Start	39835	End	40090
Name	OJ990807_35.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	39835	End	40090
GI	none	Score	60
Exons	39835..39894, 39853..39891, 39885..40070, 39896..40081, 39898..40089, 39899..40090		

Seq. No.	16650	Seq. ID	OJ990807_35.9C17.C3
Gene No.	35147	Strand	
Start	40322	End	40669
Name	OJ990807_35.9C17.C3.o3.tm	Method	TBLASTX:Maize
Start	40322	End	40669
GI	none	Score	75
Exons	40322..40414, 40387..40467, 40388..40612, 40398..40565, 40495..40605, 40618..40662, 40619..40669		

Seq. No.	16651	Seq. ID	OJ990807_35.9C17.C5
Gene No.	35148	Strand	+
Start	1580	End	1718
Name	OJ990807_35.9C17.C5.o1.np	Method	AAT/NAP
Start	1580	End	1718
GI	5852172	Score	102

Exons	1580..1718		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		
Seq. No.	16651	Seq. ID	OJ990807_35.9C17.C5
Gene No.	35149	Strand	-
Start	1604	End	2035
Name	OJ990807_35.9C17.C5.o2.gs	Method	GENSCAN
Start	1604	End	2035
GI	none	Score	.57
Exons	1604..1741, 1945..2035		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35150	Strand	+
Start	2214	End	4412
Name	OJ990807_35.9C17.C6.o2.gs	Method	GENSCAN
Start	2214	End	3832
GI	none	Score	.73
Exons	2214..3832		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35150	Strand	+
Start	2214	End	4412
Name	OJ990807_35.9C17.C6.o2.np	Method	AAT/NAP
Start	2391	End	4412
GI	2244842	Score	1075
Exons	2391..2542, 2589..2996, 3039..3465, 3520..3835, 4360..4412		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35151	Strand	-
Start	1	End	828
Name	OJ990807_35.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	789
GI	4587567	Score	133
Exons	1..59, 463..789		
GI Descrip.	(AC006550) F10O3.7 [Arabidopsis thaliana]		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35151	Strand	-
Start	1	End	828
Name	OJ990807_35.9C17.C6.o1.gs	Method	GENSCAN
Start	49	End	828
GI	none	Score	.84
Exons	49..305, 468..828		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35152	Strand	
Start	2457	End	3830
Name	OJ990807_35.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	2457	End	3728
GI	none	Score	85
Exons	2457..2591, 2727..2939, 3336..3464, 3428..3727, 3474..3728		
Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35152	Strand	
Start	2457	End	3830
Name	OJ990807_35.9C17.C6.o2.tm	Method	TBLASTX:Maize

Start	2631	End	3464
GI	none	Score	107
Exons	2631..2861, 2760..2861, 2853..3059, 2864..3058, 3033..3161, 3051..3155, 3144..3350, 3279..3464, 3366..3458		

Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35152	Strand	
Start	2457	End	3830
Name	OJ990807_35.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	2646	End	3599
GI	none	Score	107
Exons	2646..2906, 2865..3206, 2996..3067, 3126..3452, 3290..3415, 3453..3599		

Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35152	Strand	
Start	2457	End	3830
Name	OJ990807_35.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	3483	End	3830
GI	none	Score	275
Exons	3483..3830, 3521..3829		

Seq. No.	16652	Seq. ID	OJ990807_35.9C17.C6
Gene No.	35152	Strand	
Start	2457	End	3830
Name	OJ990807_35.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	3541	End	3824
GI	none	Score	379
Exons	3541..3807, 3542..3823, 3543..3824		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35153	Strand	+
Start	1	End	171
Name	OJ990807_35.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	171
GI	2244842	Score	202
Exons	1..171		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35154	Strand	+
Start	2298	End	3493
Name	OJ990807_35.9C17.C7.o1.gs	Method	GENSCAN
Start	2298	End	3493
GI	none	Score	.99
Exons	2298..2575, 2668..3493		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	3	End	174
GI	none	Score	216
Exons	3..173, 7..174, 7..174		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-

Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	4	End	174
GI	none	Score	197
Exons	4..174, 34..174		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	7	End	177
GI	none	Score	196
Exons	7..174, 19..177		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o2.np	Method	AAT/NAP
Start	4935	End	6339
GI	2462640	Score	277
Exons	4935..4968, 6050..6339		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	5682	End	5999
GI	none	Score	103
Exons	5682..5864, 5892..5999		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o2.gs	Method	GENSCAN
Start	6028	End	9737
GI	none	Score	.45
Exons	6028..6555, 8961..9203, 9237..9737		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	6148	End	6537
GI	none	Score	88
Exons	6148..6396, 6421..6537		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-
Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	7000	End	7410
GI	none	Score	118
Exons	7000..7410, 7244..7399		

Seq. No.	16653	Seq. ID	OJ990807_35.9C17.C7
Gene No.	35155	Strand	-

Start	6028	End	9967
Name	OJ990807_35.9C17.C7.o5.np	Method	AAT/NAP
Start	8542	End	9967
GI	5852084	Score	84
Exons	8542..8664, 9917..9967		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	16654	Seq. ID	OJ990807_35.9C17.C8
Gene No.	35156	Strand	+
Start	268	End	1158
Name	OJ990807_35.9C17.C8.o1.gp	Method	AAT/GAP
Start	268	End	1158
GI	none	Score	579
Exons	268..563, 1084..1158		

Seq. No.	16654	Seq. ID	OJ990807_35.9C17.C8
Gene No.	35157	Strand	-
Start	33	End	6341
Name	OJ990807_35.9C17.C8.o1.np	Method	AAT/NAP
Start	33	End	2112
GI	2665536	Score	307
Exons	33..295, 579..696, 766..825, 1185..1316, 1957..2112		
GI Descrip.	(AF027808) HCF106 precursor protein [Zea mays]		

Seq. No.	16654	Seq. ID	OJ990807_35.9C17.C8
Gene No.	35157	Strand	-
Start	33	End	6341
Name	OJ990807_35.9C17.C8.o1.gs	Method	GENSCAN
Start	576	End	6341
GI	none	Score	.47
Exons	576..696, 766..825, 1185..1306, 1917..2025, 3622..3733, 3856..4128, 4271..4338, 5205..5300, 5924..6016, 6282..6341		

Seq. No.	16654	Seq. ID	OJ990807_35.9C17.C8
Gene No.	35157	Strand	-
Start	33	End	6341
Name	OJ990807_35.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	580	End	1298
GI	none	Score	138
Exons	580..699, 580..696, 764..826, 764..826, 765..827, 766..828, 766..828, 1182..1298, 1183..1272		

Seq. No.	16654	Seq. ID	OJ990807_35.9C17.C8
Gene No.	35157	Strand	-
Start	33	End	6341
Name	OJ990807_35.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	4905	End	6336
GI	none	Score	74
Exons	4905..4982, 4905..4982, 4930..4983, 5203..5301, 5205..5321, 5206..5301, 5863..5928, 5913..6017, 5914..6018, 5924..6019, 5924..6016, 6086..6142, 6091..6144, 6092..6145, 6270..6335, 6271..6336		

Seq. No.	16655	Seq. ID	OJ990807_35.9C17.C9
Gene No.	35158	Strand	-
Start	12	End	772
Name	OJ990807_35.9C17.C9.o1.gs	Method	GENSCAN

Start	12	End	772
GI	none	Score	.96
Exons	12..231, 586..772		

Seq. No.	16656	Seq. ID	OJ990807_35.9C17.C10
Gene No.	35159	Strand	+
Start	472	End	915
Name	OJ990807_35.9C17.C10.o1.np	Method	AAT/NAP
Start	472	End	915
GI	2498930	Score	391
Exons	472..535, 703..915		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16656	Seq. ID	OJ990807_35.9C17.C10
Gene No.	35159	Strand	+
Start	472	End	915
Name	OJ990807_35.9C17.C10.o1.gs	Method	GENSCAN
Start	476	End	900
GI	none	Score	.86
Exons	476..535, 703..900		

Seq. No.	16657	Seq. ID	OJ990807_35.9C17.C11
Gene No.	35160	Strand	+
Start	29	End	768
Name	OJ990807_35.9C17.C11.o1.gs	Method	GENSCAN
Start	29	End	768
GI	none	Score	.45
Exons	29..451, 485..581, 725..768		

Seq. No.	16658	Seq. ID	OJ990807_35.9C17.C12
Gene No.	35161	Strand	+
Start	33	End	471
Name	OJ990807_35.9C17.C12.o1.gp	Method	AAT/GAP
Start	33	End	471
GI	uC-osflcyp169c05a1	Score	827
Exons	33..471		
GI Descrip.	'3892058/gb|AAC78271.1|AAC78271 3.0e-17 (AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana]'		

Seq. No.	16658	Seq. ID	OJ990807_35.9C17.C12
Gene No.	35162	Strand	-
Start	255	End	2098
Name	OJ990807_35.9C17.C12.o1.np	Method	AAT/NAP
Start	255	End	2098
GI	4587571	Score	324
Exons	255..455, 548..729, 1560..1642, 1976..2098		
GI Descrip.	(AC006550) Belongs to the PF|01027 Uncharacterized protein family UPF0005 with 7 transmembrane domains. [Arabidopsis thaliana]		

Seq. No.	16658	Seq. ID	OJ990807_35.9C17.C12
Gene No.	35162	Strand	-
Start	255	End	2098
Name	OJ990807_35.9C17.C12.o1.gs	Method	GENSCAN
Start	261	End	1149
GI	none	Score	.93

Exons	261..455, 548..705, 1107..1149		
Seq. No.	16658	Seq. ID	OJ990807_35.9C17.C12
Gene No.	35162	Strand	-
Start	255	End	2098
Name	OJ990807_35.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	273	End	728
GI	none	Score	93
Exons	273..485, 289..453, 542..721,	545..643,	591..728
Seq. No.	16658	Seq. ID	OJ990807_35.9C17.C12
Gene No.	35162	Strand	-
Start	255	End	2098
Name	OJ990807_35.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	276	End	721
GI	none	Score	91
Exons	276..458, 292..456, 545..721,	569..706,	570..710
Seq. No.	16659	Seq. ID	OJ990807_35.9C17.C13
Gene No.	35163	Strand	-
Start	758	End	1384
Name	OJ990807_35.9C17.C13.o1.gs	Method	GENSCAN
Start	758	End	1384
GI	none	Score	.9
Exons	758..871, 979..1384		
Seq. No.	16659	Seq. ID	OJ990807_35.9C17.C13
Gene No.	35163	Strand	-
Start	758	End	1384
Name	OJ990807_35.9C17.C13.o1.np	Method	AAT/NAP
Start	773	End	1243
GI	3892058	Score	143
Exons	773..871, 979..1243		
GI Descrip.	(AC002330) putative glutamate-/aspartate-binding peptide [Arabidopsis thaliana]		
Seq. No.	16660	Seq. ID	OJ990807_35.9C17.C14
Gene No.	35164	Strand	+
Start	4529	End	7204
Name	OJ990807_35.9C17.C14.o2.gs	Method	GENSCAN
Start	4529	End	7204
GI	none	Score	.53
Exons	4529..4593, 6116..6183, 7137..7204		
Seq. No.	16660	Seq. ID	OJ990807_35.9C17.C14
Gene No.	35165	Strand	-
Start	12423	End	14835
Name	OJ990807_35.9C17.C14.o2.gp	Method	AAT/GAP
Start	12423	End	14835
GI	none	Score	890
Exons	12423..12518, 14427..14835		
Seq. No.	16661	Seq. ID	OJ990807_35.9C17.C15
Gene No.	35166	Strand	-
Start	1061	End	1627
Name	OJ990807_35.9C17.C15.o1.gs	Method	GENSCAN
Start	1061	End	1627

GI	none	Score	.45
Exons	1061..1173, 1468..1627		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35167	Strand	+
Start	5065	End	11439
Name	OJ990807_35.9C17.C16.o2.gs	Method	GENSCAN
Start	5065	End	11439
GI	none	Score	.71
Exons	5065..5143, 5584..5698, 7609..7697, 8306..8450, 8668..9440, 9805..10013, 10124..10432, 10717..10821, 10897..11439		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35168	Strand	-
Start	3517	End	4014
Name	OJ990807_35.9C17.C16.o1.gp	Method	AAT/GAP
Start	2467	End	2552
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	2467..2552		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35168	Strand	-
Start	3517	End	4014
Name	OJ990807_35.9C17.C16.o1.gs	Method	GENSCAN
Start	3517	End	4014
GI	none	Score	.85
Exons	3517..3717, 3937..4014		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o3.gs	Method	GENSCAN
Start	12118	End	17667
GI	none	Score	.48
Exons	12118..13220, 13241..13694, 13791..14156, 14189..14454, 14632..15242, 15358..16523, 16603..17667		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o3.ts	Method	TBLASTX:Soybean
Start	12529	End	12930
GI	none	Score	85
Exons	12529..12930, 12707..12823		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o3.tm	Method	TBLASTX:Maize
Start	12550	End	12915
GI	none	Score	82
Exons	12550..12774, 12772..12915		
Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16

Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o4.tw	Method	TBLASTX:Wheat
Start	12697	End	13086
GI	none	Score	104
Exons	12697..12753, 12784..12891, 12925..13086		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o3.tw	Method	TBLASTX:Wheat
Start	13326	End	13745
GI	none	Score	81
Exons	13326..13616, 13656..13745		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	13380	End	13790
GI	none	Score	75
Exons	13380..13631, 13653..13790, 13657..13788		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o2.ts	Method	TBLASTX:Soybean
Start	13941	End	14410
GI	none	Score	79
Exons	13941..14090, 13954..14085, 14129..14410, 14280..14372		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	14099	End	14557
GI	none	Score	225
Exons	14099..14557, 14100..14408, 14171..14557		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o2.tw	Method	TBLASTX:Wheat
Start	14105	End	14408
GI	none	Score	109
Exons	14105..14407, 14145..14408		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	14426	End	14830
GI	none	Score	179
Exons	14426..14779, 14429..14770, 14469..14771, 14689..14781, 14774..14830, 14784..14825		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16

Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	14558	End	14776
GI	none	Score	183
Exons	14558..14776, 14559..14771		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o4.ts	Method	TBLASTX:Soybean
Start	14627	End	14992
GI	none	Score	138
Exons	14627..14761, 14768..14992		

Seq. No.	16662	Seq. ID	OJ990807_35.9C17.C16
Gene No.	35169	Strand	-
Start	12118	End	17667
Name	OJ990807_35.9C17.C16.o5.ts	Method	TBLASTX:Soybean
Start	15402	End	15740
GI	none	Score	202
Exons	15402..15740		

Seq. No.	16663	Seq. ID	OJ990807_35.9C17.C17
Gene No.	35170	Strand	-
Start	1264	End	2591
Name	OJ990807_35.9C17.C17.o2.gs	Method	GENSCAN
Start	1264	End	2591
GI	none	Score	.59
Exons	1264..1302, 1570..1603, 1695..1972, 2493..2591		

Seq. No.	16664	Seq. ID	OJ990807_35.9C17.C18
Gene No.	35171	Strand	+
Start	1	End	1408
Name	OJ990807_35.9C17.C18.o1.np	Method	AAT/NAP
Start	1	End	681
GI	5852178	Score	267
Exons	1..87, 119..222, 586..681		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	16664	Seq. ID	OJ990807_35.9C17.C18
Gene No.	35171	Strand	+
Start	1	End	1408
Name	OJ990807_35.9C17.C18.o2.np	Method	AAT/NAP
Start	1	End	1408
GI	6063554	Score	126
Exons	1..57, 142..189, 1236..1408		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16664	Seq. ID	OJ990807_35.9C17.C18
Gene No.	35172	Strand	+
Start	3640	End	4008
Name	OJ990807_35.9C17.C18.o2.gs	Method	GENSCAN
Start	3640	End	4008
GI	none	Score	.96

Exons	3640..3748, 3881..4008		
Seq. No.	16664	Seq. ID	OJ990807_35.9C17.C18
Gene No.	35173	Strand	-
Start	205	End	3059
Name	OJ990807_35.9C17.C18.o1.gs	Method	GENSCAN
Start	205	End	3059
GI	none	Score	.73
Exons	205..358, 535..607, 1139..1263, 2454..2644, 3018..3059		
Seq. No.	16664	Seq. ID	OJ990807_35.9C17.C18
Gene No.	35174	Strand	-
Start	4891	End	5132
Name	OJ990807_35.9C17.C18.o3.gs	Method	GENSCAN
Start	4891	End	5132
GI	none	Score	.91
Exons	4891..5132		
Seq. No.	16665	Seq. ID	OJ990807_34.9C17.C1
Gene No.	35175	Strand	
Start	24	End	312
Name	OJ990807_34.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	24	End	312
GI	none	Score	74
Exons	24..92, 24..104, 25..99, 224..268, 228..311, 229..312		
Seq. No.	16666	Seq. ID	OJ990807_34.9C17.C3
Gene No.	35176	Strand	+
Start	1	End	108
Name	OJ990807_34.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	108
GI	2586082	Score	91
Exons	1..108		
GI Descrip:	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	16667	Seq. ID	OJ990807_34.9C17.C4
Gene No.	35177	Strand	+
Start	240	End	491
Name	OJ990807_34.9C17.C4.o1.gp	Method	AAT/GAP
Start	240	End	491
GI	4714644	Score	466
Exons	240..491		
Seq. No.	16667	Seq. ID	OJ990807_34.9C17.C4
Gene No.	35178	Strand	-
Start	389	End	484
Name	OJ990807_34.9C17.C4.o1.gs	Method	GENSCAN
Start	389	End	484
GI	none	Score	.65
Exons	389..484		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	141	End	1054
GI	none	Score	465

Exons	141..506, 142..735, 146..1054, 146..1054		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.gp	Method	AAT/GAP
Start	145	End	541
GI	9564_2.R1084	Score	745
Exons	145..541		
GI Descrip.	'3913425/sp|O22899|DD15_ARATH 1.0e-113 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi_2275203 (AC002337) RNA helicase isolog [Arabidopsis thaliana]'		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.np	Method	AAT/NAP
Start	145	End	2161
GI	3913425	Score	2166
Exons	145..1229, 1373..1560, 1871..2161		
GI Descrip.	PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE gi|2275203|gb|AAB63825.1| (AC002337) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.gs	Method	GENSCAN
Start	145	End	2161
GI	none	Score	.88
Exons	145..1229, 1373..1560, 1871..2161		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	149	End	1996
GI	none	Score	46
Exons	149..697, 198..266, 333..686, 548..688, 704..1234, 720..995, 725..1279, 1032..1334, 1343..1543, 1372..1545, 1868..1996		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	159	End	544
GI	none	Score	339
Exons	159..497, 161..544		
Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	545	End	976
GI	none	Score	522
Exons	545..976, 546..974, 551..976		

Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	977	End	1211
GI	none	Score	145
Exons	977..1210, 977..1210, 978..1211, 1020..1211		

Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	1055	End	1235
GI	none	Score	131
Exons	1055..1234, 1065..1235		

Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o4.ts	Method	TBLASTX:Soybean
Start	1438	End	2162
GI	none	Score	74
Exons	1438..1545, 1457..1516, 1540..1563, 1853..1990, 1868..2035, 1875..2036, 2105..2161, 2112..2162		

Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o2.gp	Method	AAT/GAP
Start	1468	End	2259
GI	LIB3477-004-P1-K1-C9	Score	889
Exons	1468..1560, 1871..2259		
GI Descrip.	'3913425/sp|O22899|DD15_ARATH 1.0e-35 PUTATIVE PRE-MRNA SPLICING FACTOR ATP-DEPENDENT RNA HELICASE >gi_2275203 (AC002337) RNA helicase isolog [Arabidopsis thaliana]'		

Seq. No.	16668	Seq. ID	OJ990807_34.9C17.C5
Gene No.	35179	Strand	-
Start	145	End	2259
Name	OJ990807_34.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	1952	End	2162
GI	none	Score	126
Exons	1952..2041, 1953..2042, 2090..2161, 2091..2162		

Seq. No.	16669	Seq. ID	OJ990807_34.9C17.C6
Gene No.	35180	Strand	+
Start	27	End	115
Name	OJ990807_34.9C17.C6.o1.gs	Method	GENSCAN
Start	27	End	115
GI	none	Score	.75
Exons	27..115		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35181	Strand	+
Start	747	End	2403
Name	OJ990807_34.9C17.C7.o1.np	Method	AAT/NAP
Start	747	End	2382

GI	6714393	Score	259
Exons	747..779, 1837..1970, 2007..2382		
GI Descrip.	(AC012393) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35181	Strand	+
Start	747	End	2403
Name	OJ990807_34.9C17.C7.o1.gs	Method	GENSCAN
Start	1786	End	2403
GI	none	Score	.66
Exons	1786..2403		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35182	Strand	-
Start	4348	End	5237
Name	OJ990807_34.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	1792	End	2346
GI	none	Score	62
Exons	1792..1956, 2029..2085, 2206..2346, 2212..2334		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35182	Strand	-
Start	4348	End	5237
Name	OJ990807_34.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	2029	End	2346
GI	none	Score	79
Exons	2029..2085, 2193..2342, 2206..2346		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35182	Strand	-
Start	4348	End	5237
Name	OJ990807_34.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	2200	End	2498
GI	none	Score	198
Exons	2200..2352, 2203..2337, 2439..2498, 2460..2489		

Seq. No.	16670	Seq. ID	OJ990807_34.9C17.C7
Gene No.	35182	Strand	-
Start	4348	End	5237
Name	OJ990807_34.9C17.C7.o2.gs	Method	GENSCAN
Start	4348	End	5237
GI	none	Score	.55
Exons	4348..4547, 4630..4713, 4849..4978, 5190..5237		

Seq. No.	16671	Seq. ID	OJ990807_34.9C17.C8
Gene No.	35183	Strand	-
Start	223	End	2198
Name	OJ990807_34.9C17.C8.o1.gs	Method	GENSCAN
Start	223	End	2198
GI	none	Score	.73
Exons	223..388, 1562..1660, 1750..1827, 1938..2198		

Seq. No.	16671	Seq. ID	OJ990807_34.9C17.C8
Gene No.	35184	Strand	-
Start	3168	End	4736
Name	OJ990807_34.9C17.C8.o2.gs	Method	GENSCAN
Start	3168	End	4736

GI	none	Score	.88
Exons	3168..3307, 4673..4736		

Seq. No.	16672	Seq. ID	OJ990807_34.9C17.C9
Gene No.	35185	Strand	+
Start	174	End	1724
Name	OJ990807_34.9C17.C9.o1.gs	Method	GENSCAN
Start	174	End	1724
GI	none	Score	.76
Exons	174..357, 589..681, 1114..1309, 1543..1724		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	2939
GI	2832649	Score	867
Exons	1..97, 1149..1253, 1419..1634, 1716..1898, 2036..2257, 2705..2939		
GI Descrip.	(AL021710) adenylosuccinate lyase - like protein [Arabidopsis thaliana]		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.gs	Method	GENSCAN
Start	8	End	2848
GI	none	Score	.92
Exons	8..270, 789..981, 1074..1253, 1419..1634, 1716..1898, 2036..2257, 2457..2573, 2705..2848		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	415	End	2796
GI	none	Score	65
Exons	415..495, 1818..1910, 1871..1909, 1989..2078, 2033..2077, 2035..2247, 2035..2253, 2036..2260, 2129..2260, 2445..2528, 2456..2521, 2522..2578, 2523..2573, 2702..2788, 2704..2796		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	934	End	1526
GI	none	Score	54
Exons	934..975, 1079..1252, 1080..1265, 1416..1526, 1421..1510, 1440..1526		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	1445	End	1820
GI	none	Score	228
Exons	1445..1636, 1446..1643, 1713..1820, 1715..1819		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	1530	End	2540
GI	none	Score	177
Exons	1530..1643, 1530..1637, 1712..1909, 1713..1910, 1714..1911, 1715..1915, 2034..2258, 2034..2252, 2035..2253, 2036..2260, 2445..2540, 2456..2539		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o1.gp	Method	AAT/GAP
Start	1580	End	2137
GI	uC-osflM202097d03b1	Score	628
Exons	1580..1634, 1716..1898, 2036..2137		
GI Descrip.	'2832649/emb|CAA16724| 6.0e-37 (AL021710) adenylosuccinate lyase - like protein [Arabidopsis thaliana]'		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	1827	End	2552
GI	none	Score	89
Exons	1827..1910, 1832..1909, 2034..2216, 2034..2249, 2035..2250, 2036..2260, 2445..2552, 2456..2551		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	2541	End	2848
GI	none	Score	63
Exons	2541..2576, 2541..2600, 2702..2848, 2704..2847		

Seq. No.	16673	Seq. ID	OJ990807_34.9C17.C10
Gene No.	35186	Strand	+
Start	1	End	2939
Name	OJ990807_34.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	2553	End	2848
GI	none	Score	37
Exons	2553..2573, 2700..2837, 2702..2848, 2704..2847		

Seq. No.	16674	Seq. ID	OJ990807_34.9C17.C12
Gene No.	35187	Strand	+
Start	87	End	385
Name	OJ990807_34.9C17.C12.o1.gs	Method	GENSCAN
Start	87	End	385
GI	none	Score	.64
Exons	87..214, 313..385		

Seq. No.	16675	Seq. ID	OJ990807_34.9C17.C13
Gene No.	35188	Strand	-
Start	737	End	906

Name	OJ990807_34.9C17.C13.o1.gs	Method	GENSCAN
Start	737	End	906
GI	none	Score	.96
Exons	737..906		

Seq. No.	16676	Seq. ID	OJ990807_34.9C17.C14
Gene No.	35189	Strand	-
Start	634	End	910
Name	OJ990807_34.9C17.C14.o1.gs	Method	GENSCAN
Start	634	End	910
GI	none	Score	.57
Exons	634..910		

Seq. No.	16677	Seq. ID	OJ990807_34.9C17.C15
Gene No.	35190	Strand	-
Start	139	End	444
Name	OJ990807_34.9C17.C15.o1.gs	Method	GENSCAN
Start	139	End	444
GI	none	Score	.44
Exons	139..444		

Seq. No.	16678	Seq. ID	OJ990807_34.9C17.C16
Gene No.	35191	Strand	+
Start	182	End	1222
Name	OJ990807_34.9C17.C16.o1.gs	Method	GENSCAN
Start	182	End	1222
GI	none	Score	.98
Exons	182..237, 1033..1222		

Seq. No.	16678	Seq. ID	OJ990807_34.9C17.C16
Gene No.	35192	Strand	+
Start	2521	End	4565
Name	OJ990807_34.9C17.C16.o1.gp	Method	AAT/GAP
Start	2298	End	2677
GI	none	Score	662
Exons	2298..2677		

Seq. No.	16678	Seq. ID	OJ990807_34.9C17.C16
Gene No.	35192	Strand	+
Start	2521	End	4565
Name	OJ990807_34.9C17.C16.o2.gs	Method	GENSCAN
Start	2521	End	4565
GI	none	Score	.81
Exons	2521..2755, 4145..4245, 4328..4384, 4471..4565		

Seq. No.	16678	Seq. ID	OJ990807_34.9C17.C16
Gene No.	35192	Strand	+
Start	2521	End	4565
Name	OJ990807_34.9C17.C16.o1.tc	Method	TBLASTX:Cress
Start	2596	End	2742
GI	none	Score	185
Exons	2596..2742, 2598..2741		

Seq. No.	16678	Seq. ID	OJ990807_34.9C17.C16
Gene No.	35192	Strand	+
Start	2521	End	4565
Name	OJ990807_34.9C17.C16.o1.ts	Method	TBLASTX:Soybean

Start	2604	End	4239
GI	none	Score	238
Exons	2604..2756, 2605..2760, 2698..2760, 4143..4235, 4144..4239		

Seq. No.	16679	Seq. ID	OJ990807_34.9C17.C17
Gene No.	35193	Strand	+
Start	1	End	1259
Name	OJ990807_34.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	391
GI	1657541	Score	182
Exons	1..391		
GI Descrip.	(U73857) lac repressor [Escherichia coli]		

Seq. No.	16679	Seq. ID	OJ990807_34.9C17.C17
Gene No.	35193	Strand	+
Start	1	End	1259
Name	OJ990807_34.9C17.C17.o2.np	Method	AAT/NAP
Start	1	End	1259
GI	4503525	Score	924
Exons	1..1259		
GI Descrip.	eukaryotic translation initiation factor 3, subunit 8 (110kD) gi|6685539|sp|Q99613|IF38_HUMAN EUKARYOTIC TRANSLATION INITIATION FACTOR 3 SUBUNIT 8 (EIF3 P110) gi|1718197 (U46025) translation intiation factor eIF-3 p110 subunit [Homo sapiens] gi|3337383|gb|AAC27426.1| (AC002544) Translation initiation factor eIF-p110 [Homo sapiens]		

Seq. No.	16679	Seq. ID	OJ990807_34.9C17.C17
Gene No.	35193	Strand	+
Start	1	End	1259
Name	OJ990807_34.9C17.C17.o1.gs	Method	GENSCAN
Start	582	End	995
GI	none	Score	.47
Exons	582..995		

Seq. No.	16679	Seq. ID	OJ990807_34.9C17.C17
Gene No.	35193	Strand	+
Start	1	End	1259
Name	OJ990807_34.9C17.C17.o1.tc	Method	TBLASTX:Cress
Start	594	End	974
GI	none	Score	58
Exons	594..707, 738..974, 749..877		

Seq. No.	16680	Seq. ID	OJ990807_34.9C17.C19
Gene No.	35194	Strand	+
Start	373	End	549
Name	OJ990807_34.9C17.C19.o1.gs	Method	GENSCAN
Start	373	End	549
GI	none	Score	.85
Exons	373..549		

Seq. No.	16680	Seq. ID	OJ990807_34.9C17.C19
Gene No.	35195	Strand	
Start	1520	End	1819
Name	OJ990807_34.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	1520	End	1819
GI	none	Score	84

Exons	1520..1819, 1521..1571, 1641..1787		
Seq. No.	16681	Seq. ID	OJ990807_34.9C17.C20
Gene No.	35196	Strand	-
Start	2167	End	3004
Name	OJ990807_34.9C17.C20.o1.gs	Method	GENSCAN
Start	2167	End	3004
GI	none	Score	.96
Exons	2167..2712, 2945..3004		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+
Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.gs	Method	GENSCAN
Start	99	End	3400
GI	none	Score	.57
Exons	99..281, 391..597, 642..1015, 1601..1869, 2125..2264, 3110..3400		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+
Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.gp	Method	AAT/GAP
Start	1467	End	2141
GI	2428147	Score	772
Exons	1467..1641, 1746..1869, 2005..2141		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+
Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	1574	End	3850
GI	none	Score	53
Exons	1574..1618, 1575..1619, 1576..1641, 1577..1642, 1743..1778, 1755..1874, 1779..1868, 1787..1873, 1816..1884, 2003..2224, 2003..2233, 2004..2234, 3099..3200, 3107..3400, 3107..3391, 3109..3399, 3639..3704, 3641..3706, 3641..3703, 3706..3846, 3707..3847, 3707..3850		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+
Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.np	Method	AAT/NAP
Start	1791	End	3869
GI	2894558	Score	991
Exons	1791..1869, 2005..2233, 2979..3030, 3110..3400, 3642..3869		
GI Descrip.	(AL021890) putative protein [Arabidopsis thaliana]		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+
Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.tc	Method	TBLASTX:Cress
Start	1800	End	2228
GI	none	Score	81
Exons	1800..1874, 2003..2227, 2004..2228		
Seq. No.	16682	Seq. ID	OJ990807_34.9C17.C21
Gene No.	35197	Strand	+

Start	99	End	3869
Name	OJ990807_34.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	2160	End	3704
GI	none	Score	114
Exons	2160..2234, 2171..2245, 3102..3359, 3107..3400, 3109..3399, 3639..3704, 3641..3703		

Seq. No.	16683	Seq. ID	OJ990807_34.9C17.C22
Gene No.	35198	Strand	-
Start	1	End	593
Name	OJ990807_34.9C17.C22.o1.np	Method	AAT/NAP
Start	1	End	593
GI	5917666	Score	194
Exons	1..593		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	16683	Seq. ID	OJ990807_34.9C17.C22
Gene No.	35198	Strand	-
Start	1	End	593
Name	OJ990807_34.9C17.C22.o1.gs	Method	GENSCAN
Start	80	End	535
GI	none	Score	.71
Exons	80..535		

Seq. No.	16684	Seq. ID	OJ990807_34.9C17.C26
Gene No.	35199	Strand	
Start	170	End	454
Name	OJ990807_34.9C17.C26.o2.tm	Method	TBLASTX:Maize
Start	170	End	454
GI	none	Score	57
Exons	170..271, 266..454, 353..421		

Seq. No.	16684	Seq. ID	OJ990807_34.9C17.C26
Gene No.	35200	Strand	
Start	636	End	1134
Name	OJ990807_34.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	636	End	1134
GI	none	Score	110
Exons	636..695, 731..799, 814..1104, 956..1105, 964..1134		

Seq. No.	16685	Seq. ID	OJ990807_34.9C17.C27
Gene No.	35201	Strand	+
Start	334	End	1238
Name	OJ990807_34.9C17.C27.o1.gs	Method	GENSCAN
Start	334	End	1238
GI	none	Score	.55
Exons	334..347, 1199..1238		

Seq. No.	16685	Seq. ID	OJ990807_34.9C17.C27
Gene No.	35202	Strand	+
Start	4107	End	4352
Name	OJ990807_34.9C17.C27.o3.gs	Method	GENSCAN
Start	4107	End	4352
GI	none	Score	.69
Exons	4107..4352		

Seq. No.	16685	Seq. ID	OJ990807_34.9C17.C27

Gene No.	35203	Strand	-
Start	1779	End	2809
Name	OJ990807_34.9C17.C27.o1.np	Method	AAT/NAP
Start	1779	End	2809
GI	73648	Score	64
Exons	1779..2211, 2740..2809		
GI Descrip.	immediate-early protein IE180 - suid herpesvirus 1 (strain Indiana-Funkhauser)		

Seq. No.	16685	Seq. ID	OJ990807_34.9C17.C27
Gene No.	35204	Strand	-
Start	3819	End	4031
Name	OJ990807_34.9C17.C27.o2.np	Method	AAT/NAP
Start	3819	End	4031
GI	6069646	Score	126
Exons	3819..4031		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16686	Seq. ID	OJ990807_34.9C17.C28
Gene No.	35205	Strand	+
Start	491	End	1135
Name	OJ990807_34.9C17.C28.o1.np	Method	AAT/NAP
Start	491	End	1135
GI	2498930	Score	736
Exons	491..551, 719..1135		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16686	Seq. ID	OJ990807_34.9C17.C28
Gene No.	35205	Strand	+
Start	491	End	1135
Name	OJ990807_34.9C17.C28.o1.gs	Method	GENSCAN
Start	492	End	1113
GI	none	Score	1
Exons	492..551, 719..1113		

Seq. No.	16687	Seq. ID	OJ990807_34.9C17.C32
Gene No.	35206	Strand	+
Start	932	End	1253
Name	OJ990807_34.9C17.C32.o1.gs	Method	GENSCAN
Start	932	End	1253
GI	none	Score	.86
Exons	932..1075, 1116..1253		

Seq. No.	16688	Seq. ID	OJ990807_34.9C17.C34
Gene No.	35207	Strand	-
Start	1	End	297
Name	OJ990807_34.9C17.C34.o1.gp	Method	AAT/GAP
Start	1	End	297
GI	LIB3432-031-P1-K1-B12	Score	548
Exons	1..297		
GI Descrip.	'129233/sp|P25778|ORYC_ORYSA 3.0e-28 ORYZAIN GAMMA CHAIN PRECURSOR >gi_67646_pir__KHRZOG oryzain (EC 3.4.22.-) gamma		

precursor - rice >gi_218185_dbj_BAA14404_ (D90408) oryzain gamma precursor [Oryza sativa]'

Seq. No.	16688	Seq. ID	OJ990807_34.9C17.C34
Gene No.	35207	Strand	-
Start	1	End	297
Name	OJ990807_34.9C17.C34.o1.np	Method	AAT/NAP
Start	1	End	143
GI	129233	Score	175
Exons	1..143		
GI Descrip.	ORYZAIN GAMMA CHAIN PRECURSOR gi|67646|pir||KHRZOG oryzain (EC 3.4.22.-) gamma precursor - rice gi|218185|dbj|BAA14404.1| (D90408) oryzain gamma precursor [Oryza sativa]		

Seq. No.	16689	Seq. ID	OJ990807_34.9C17.C37
Gene No.	35208	Strand	+
Start	2593	End	3042
Name	OJ990807_34.9C17.C37.o1.np	Method	AAT/NAP
Start	2593	End	3042
GI	3643271	Score	473
Exons	2593..3042		
GI Descrip.	(AF090872) 33 kDa secretory protein [Oryza sativa] gi|3851590 (AF093570) 33 kDa secretory protein [Oryza sativa] gi|4249681 (AF097724) 33 kDa secretory protein [Oryza sativa]		

Seq. No.	16689	Seq. ID	OJ990807_34.9C17.C37
Gene No.	35209	Strand	+
Start	8987	End	10987
Name	OJ990807_34.9C17.C37.o4.gs	Method	GENSCAN
Start	8987	End	10987
GI	none	Score	.95
Exons	8987..8992, 9214..9381, 10006..10206, 10943..10987		

Seq. No.	16689	Seq. ID	OJ990807_34.9C17.C37
Gene No.	35210	Strand	-
Start	5636	End	5845
Name	OJ990807_34.9C17.C37.o2.gs	Method	GENSCAN
Start	5636	End	5845
GI	none	Score	.88
Exons	5636..5845		

Seq. No.	16689	Seq. ID	OJ990807_34.9C17.C37
Gene No.	35211	Strand	-
Start	7043	End	7146
Name	OJ990807_34.9C17.C37.o1.gp	Method	AAT/GAP
Start	7043	End	7146
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	7043..7146		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16690	Seq. ID	OJ990807_34.9C17.C39
Gene No.	35212	Strand	+
Start	1575	End	3277
Name	OJ990807_34.9C17.C39.o1.gs	Method	GENSCAN
Start	1575	End	3277

GI	none	Score	.71
Exons	1575..1993, 2147..2229, 2418..2553, 3190..3277		

Seq. No.	16690	Seq. ID	OJ990807_34.9C17.C39
Gene No.	35212	Strand	+
Start	1575	End	3277
Name	OJ990807_34.9C17.C39.o1.np	Method	AAT/NAP
Start	1958	End	2231
GI	4836931	Score	120
Exons	1958..1993, 2147..2231		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16691	Seq. ID	OJ990807_34.9C17.C40
Gene No.	35213	Strand	+
Start	71	End	158
Name	OJ990807_34.9C17.C40.o1.gs	Method	GENSCAN
Start	71	End	158
GI	none	Score	.5
Exons	71..158		

Seq. No.	16692	Seq. ID	OJ990807_34.9C17.C43
Gene No.	35214	Strand	-
Start	502	End	838
Name	OJ990807_34.9C17.C43.o1.gs	Method	GENSCAN
Start	502	End	838
GI	none	Score	.65
Exons	502..681, 740..838		

Seq. No.	16693	Seq. ID	OJ990807_34.9C17.C47
Gene No.	35215	Strand	+
Start	31	End	231
Name	OJ990807_34.9C17.C47.o1.gs	Method	GENSCAN
Start	31	End	231
GI	none	Score	.96
Exons	31..231		

Seq. No.	16693	Seq. ID	OJ990807_34.9C17.C47
Gene No.	35216	Strand	-
Start	1	End	461
Name	OJ990807_34.9C17.C47.o1.gp	Method	AAT/GAP
Start	1	End	461
GI	none	Score	866
Exons	1..461		

Seq. No.	16694	Seq. ID	OJ990807_34.9C17.C48
Gene No.	35217	Strand	-
Start	392	End	513
Name	OJ990807_34.9C17.C48.o1.gs	Method	GENSCAN
Start	392	End	513
GI	none	Score	.89
Exons	392..513		

Seq. No.	16695	Seq. ID	OJ990807_34.9C17.C49
Gene No.	35218	Strand	+
Start	1	End	6687
Name	OJ990807_34.9C17.C49.o1.np	Method	AAT/NAP
Start	1	End	6687

GI	4455678	Score	56
Exons	1..56, 2210..2457, 2609..2778, 6661..6687		
GI Descrip.	(AL035472) putative protein synthesis initiation factor 2 [Mycobacterium leprae]		

Seq. No.	16695	Seq. ID	OJ990807_34.9C17.C49
Gene No.	35218	Strand	+
Start	1	End	6687
Name	OJ990807_34.9C17.C49.o1.gs	Method	GENSCAN
Start	53	End	2008
GI	none	Score	.53
Exons	53..128, 382..452, 903..1056, 1111..1203, 1568..1674, 1841..2008		

Seq. No.	16695	Seq. ID	OJ990807_34.9C17.C49
Gene No.	35219	Strand	-
Start	2349	End	3814
Name	OJ990807_34.9C17.C49.o2.gs	Method	GENSCAN
Start	2349	End	3814
GI	none	Score	.59
Exons	2349..2907, 2952..3234, 3447..3647, 3709..3814		

Seq. No.	16695	Seq. ID	OJ990807_34.9C17.C49
Gene No.	35220	Strand	-
Start	4091	End	4476
Name	OJ990807_34.9C17.C49.o3.gs	Method	GENSCAN
Start	4091	End	4476
GI	none	Score	.77
Exons	4091..4143, 4290..4476		

Seq. No.	16695	Seq. ID	OJ990807_34.9C17.C49
Gene No.	35221	Strand	-
Start	5490	End	6147
Name	OJ990807_34.9C17.C49.o4.gs	Method	GENSCAN
Start	5490	End	6147
GI	none	Score	.5
Exons	5490..5602, 6048..6147		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35222	Strand	+
Start	3936	End	5371
Name	OJ990807_34.9C17.C50.o1.np	Method	AAT/NAP
Start	3936	End	5371
GI	2499318	Score	141
Exons	3936..3974, 5062..5371		
GI Descrip.	PUTATIVE NADH-UBIQUINONE OXIDOREDUCTASE 17.3 KD SUBUNIT (COMPLEX I-17.3KD) (CI-17.3KD) gi|3874666|emb|CAA92789.1| (Z68493) Similarity to Bovine NADH-ubiquinone oxidoreductase 13 KD-B subunit (SW:NUFM_BOVIN); cDNA EST EMBL:C08756 comes from this gene [Caenorhabditis elegans]		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35222	Strand	+
Start	3936	End	5371
Name	OJ990807_34.9C17.C50.o1.gp	Method	AAT/GAP
Start	4854	End	5174
GI	2311635	Score	606
Exons	4854..5174		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35222	Strand	+
Start	3936	End	5371
Name	OJ990807_34.9C17.C50.o2.gs	Method	GENSCAN
Start	4990	End	5326
GI	none	Score	.99
Exons	4990..5326		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35222	Strand	+
Start	3936	End	5371
Name	OJ990807_34.9C17.C50.o2.gp	Method	AAT/GAP
Start	5209	End	5326
GI	20117_1.R1084	Score	215
Exons	5209..5326		
GI Descrip.	'1915960/emb|CAA68913| 3.0e-30 (Y07636) peptidylprolyl isomerase [Triticum aestivum]'		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35223	Strand	-
Start	1511	End	4151
Name	OJ990807_34.9C17.C50.o1.gs	Method	GENSCAN
Start	1511	End	4151
GI	none	Score	.47
Exons	1511..1614, 2031..2179, 2181..2399, 3399..3537, 3731..3886, 4148..4151		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35224	Strand	
Start	4960	End	5325
Name	OJ990807_34.9C17.C50.o1.tw	Method	TBLASTX:Wheat
Start	4960	End	5250
GI	none	Score	347
Exons	4960..5115, 4990..5250, 5055..5195		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35224	Strand	
Start	4960	End	5325
Name	OJ990807_34.9C17.C50.o1.tm	Method	TBLASTX:Maize
Start	4990	End	5325
GI	none	Score	455
Exons	4990..5325, 4990..5112, 5055..5195		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35224	Strand	
Start	4960	End	5325
Name	OJ990807_34.9C17.C50.o1.ts	Method	TBLASTX:Soybean
Start	4999	End	5325
GI	none	Score	378
Exons	4999..5046, 5053..5115, 5055..5270, 5056..5325		

Seq. No.	16696	Seq. ID	OJ990807_34.9C17.C50
Gene No.	35224	Strand	
Start	4960	End	5325
Name	OJ990807_34.9C17.C50.o1.tc	Method	TBLASTX:Cress
Start	5055	End	5325

GI	none	Score	369
Exons	5055..5324, 5056..5325		
Seq. No.	16697	Seq. ID	OJ990807_34.9C17.C52
Gene No.	35225	Strand	-
Start	27	End	317
Name	OJ990807_34.9C17.C52.o1.gs	Method	GENSCAN
Start	27	End	252
GI	none	Score	.96
Exons	27..141, 216..252		
Seq. No.	16697	Seq. ID	OJ990807_34.9C17.C52
Gene No.	35225	Strand	-
Start	27	End	317
Name	OJ990807_34.9C17.C52.o1.gp	Method	AAT/GAP
Start	86	End	317
GI	none	Score	420
Exons	86..317		
Seq. No.	16697	Seq. ID	OJ990807_34.9C17.C52
Gene No.	35225	Strand	-
Start	27	End	317
Name	OJ990807_34.9C17.C52.o1.tm	Method	TBLASTX:Maize
Start	86	End	310
GI	none	Score	94
Exons	86..181, 88..156, 164..280, 164..310		
Seq. No.	16698	Seq. ID	OJ990527_21.9C01.C2
Gene No.	35226	Strand	-
Start	93	End	8253
Name	OJ990527_21.9C01.C2.o1.ts	Method	TBLASTX:Soybean
Start	90	End	594
GI	4260294	Score	103
Exons	90..179, 92..178, 266..388, 270..446, 271..450, 515..583, 517..594, 519..584		
GI Descrip.	-		
Seq. No.	16698	Seq. ID	OJ990527_21.9C01.C2
Gene No.	35226	Strand	-
Start	93	End	8253
Name	OJ990527_21.9C01.C2.o1.gs	Method	GENSCAN
Start	93	End	8239
GI	none	Score	.77
Exons	93..178, 270..446, 521..595, 992..1060, 1668..1696, 1759..1918, 3146..3256, 3892..4049, 4539..4665, 4712..4857, 6162..6204, 6288..6379, 6926..7129, 7205..7289, 8075..8239		
Seq. No.	16698	Seq. ID	OJ990527_21.9C01.C2
Gene No.	35226	Strand	-
Start	93	End	8253
Name	OJ990527_21.9C01.C2.o1.np	Method	AAT/NAP
Start	216	End	8253
GI	3785975	Score	887
Exons	216..446, 690..787, 3151..3256, 3892..4049, 6162..6204, 6288..6418, 6926..7133, 7167..7289, 8075..8253		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	16698	Seq. ID	OJ990527_21.9C01.C2
Gene No.	35226	Strand	-
Start	93	End	8253
Name	OJ990527_21.9C01.C2.o1.tm	Method	TBLASTX:Maize
Start	317	End	6382
GI	none	Score	100
Exons	317..427, 318..428, 318..446, 319..429, 325..447, 3143..3277, 3145..3258, 3886..4053, 3897..4049, 6156..6209, 6160..6222, 6160..6219, 6183..6224, 6284..6376, 6287..6343, 6288..6344, 6347..6382, 6348..6380, 6355..6381		

Seq. No.	16698	Seq. ID	OJ990527_21.9C01.C2
Gene No.	35226	Strand	-
Start	93	End	8253
Name	OJ990527_21.9C01.C2.o2.tm	Method	TBLASTX:Maize
Start	539	End	1062
GI	none	Score	82
Exons	539..598, 539..595, 541..630, 558..599, 704..838, 705..863, 720..860, 989..1060, 990..1061, 990..1061, 991..1062		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35227	Strand	+
Start	1163	End	1800
Name	OJ990527_21.9C01.C3.o1.gs	Method	GENSCAN
Start	1163	End	1800
GI	none	Score	.45
Exons	1163..1216, 1792..1800		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35228	Strand	+
Start	13098	End	18276
Name	OJ990527_21.9C01.C3.o3.np	Method	AAT/NAP
Start	13098	End	18276
GI	3738337	Score	146
Exons	13098..13147, 15484..15929, 18238..18276		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35228	Strand	+
Start	13098	End	18276
Name	OJ990527_21.9C01.C3.o4.np	Method	AAT/NAP
Start	14689	End	16459
GI	5922620	Score	102
Exons	14689..14747, 15554..15604, 16320..16459		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35228	Strand	+
Start	13098	End	18276
Name	OJ990527_21.9C01.C3.o7.np	Method	AAT/NAP
Start	15493	End	17567
GI	6069646	Score	457

Exons	15493..15627, 15682..15784, 16720..17567		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35229	Strand	-
Start	4530	End	5411
Name	OJ990527_21.9C01.C3.o2.gs	Method	GENSCAN
Start	4530	End	5411
GI	none	Score	.75
Exons	4530..5411		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35229	Strand	-
Start	4530	End	5411
Name	OJ990527_21.9C01.C3.o1.np	Method	AAT/NAP
Start	4764	End	5411
GI	5295971	Score	981
Exons	4764..5411		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o11.tm	Method	TBLASTX:Maize
Start	1099	End	2913
GI	none	Score	102
Exons	1099..1266, 1136..1279, 1140..1280, 2072..2164, 2082..2177, 2082..2165, 2086..2190, 2623..2733, 2651..2746, 2652..2735, 2809..2913, 2812..2886, 2813..2887		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o3.ts	Method	TBLASTX:Soybean
Start	4568	End	6661
GI	none	Score	51
Exons	4568..4765, 6015..6248, 6148..6234, 6303..6491, 6331..6492, 6504..6635, 6632..6661		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	4572	End	6684
GI	none	Score	80
Exons	4572..4790, 4577..4765, 6024..6242, 6058..6234, 6309..6389, 6313..6390, 6399..6623, 6400..6492, 6514..6624, 6634..6684		
Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943

Name	OJ990527_21.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	4578	End	6414
GI	none	Score	229
Exons	4578..4763, 4578..4763, 4580..4765, 6025..6411, 6027..6332, 6027..6413, 6173..6382, 6307..6414		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	4607	End	6470
GI	none	Score	67
Exons	4607..4765, 4619..4777, 6054..6257, 6066..6248, 6303..6470, 6313..6390		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o6.tm	Method	TBLASTX:Maize
Start	4767	End	10341
GI	none	Score	222
Exons	4767..4934, 4768..5019, 4835..4939, 4840..4968, 4989..5030, 4989..5027, 4995..5060, 10041..10247, 10041..10256, 10117..10332, 10302..10340, 10303..10341		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o3.gs	Method	GENSCAN
Start	5988	End	17260
GI	none	Score	.61
Exons	5988..6498, 6515..7231, 7267..7516, 7538..10423, 10489..10718, 11304..11421, 12715..12817, 12910..12979, 13064..13191, 14082..14208, 14322..14607, 15582..15707, 16328..16416, 16728..16874, 17162..17260		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o2.np	Method	AAT/NAP
Start	5991	End	10698
GI	5295971	Score	7460
Exons	5991..10698		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	6601	End	6990
GI	none	Score	43
Exons	6601..6636, 6601..6639, 6631..6990, 6633..6755, 6634..6990		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-

Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	6817	End	7368
GI	none	Score	66
Exons	6817..7041, 7027..7224, 7031..7216, 7051..7218, 7239..7367, 7279..7368		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	7042	End	7535
GI	5509260	Score	130
Exons	7042..7224, 7061..7219, 7063..7224, 7251..7535, 7279..7488		
GI Descrip.	-		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o4.tc	Method	TBLASTX:Cress
Start	7153	End	7413
GI	none	Score	91
Exons	7153..7224, 7239..7412, 7282..7413		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o5.tm	Method	TBLASTX:Maize
Start	7192	End	7505
GI	none	Score	44
Exons	7192..7224, 7193..7225, 7233..7496, 7279..7494, 7293..7505		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	7986	End	8462
GI	none	Score	100
Exons	7986..8132, 8154..8369, 8170..8355, 8346..8462, 8371..8457		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o3.tc	Method	TBLASTX:Cress
Start	8010	End	8384
GI	none	Score	65
Exons	8010..8132, 8157..8384, 8164..8310		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	8070	End	8493
GI	none	Score	380
Exons	8070..8372, 8070..8384, 8071..8385, 8346..8489, 8362..8493		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3

Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	8148	End	8696
GI	none	Score	112
Exons	8148..8228, 8235..8369, 8346..8498, 8556..8696		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o6.ts	Method	TBLASTX:Soybean
Start	8556	End	8831
GI	none	Score	197
Exons	8556..8831, 8655..8735		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	8769	End	9222
GI	none	Score	39
Exons	8769..8849, 8770..8844, 8829..9179, 8856..9221, 8917..9222		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o7.tm	Method	TBLASTX:Maize
Start	8892	End	9132
GI	none	Score	268
Exons	8892..9131, 8893..9132		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	9147	End	9806
GI	none	Score	279
Exons	9147..9365, 9148..9366, 9161..9367, 9161..9376, 9316..9435, 9319..9426, 9320..9511, 9366..9452, 9521..9550, 9528..9599, 9531..9806, 9532..9789, 9576..9791		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o4.ts	Method	TBLASTX:Soybean
Start	12713	End	13135
GI	none	Score	84
Exons	12713..12820, 12744..12818, 12910..12981, 12914..12982, 13069..13113, 13102..13134, 13103..13135		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o2.tc	Method	TBLASTX:Cress
Start	12792	End	14244
GI	none	Score	43
Exons	12792..12821, 12797..12820, 12910..12981, 12914..12982,		

13067..13192, 13069..13191, 13077..13214, 14058..14210,
14065..14244, 14077..14211

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o1.gp	Method	AAT/GAP
Start	12898	End	13390
GI	LIB3474-009-P1-K1-B10	Score	755
Exons	12898..12979, 13064..13390		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o9.tm	Method	TBLASTX:Maize
Start	13105	End	14348
GI	none	Score	97
Exons	13105..13191, 13106..13192, 13122..13214, 14064..14210, 14077..14211, 14080..14223, 14316..14348, 14324..14347		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o5.ts	Method	TBLASTX:Soybean
Start	14082	End	14211
GI	none	Score	111
Exons	14082..14210, 14083..14211		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o10.tm	Method	TBLASTX:Maize
Start	15643	End	15915
GI	none	Score	229
Exons	15643..15915, 15654..15899		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o5.np	Method	AAT/NAP
Start	16599	End	17943
GI	6630699	Score	92
Exons	16599..16676, 17921..17943		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16699	Seq. ID	OJ990527_21.9C01.C3
Gene No.	35230	Strand	-
Start	5988	End	17943
Name	OJ990527_21.9C01.C3.o8.tm	Method	TBLASTX:Maize
Start	16983	End	17534
GI	none	Score	286
Exons	16983..17534		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35231	Strand	+
Start	2747	End	8527
Name	OJ990527_21.9C01.C4.o1.gs	Method	GENSCAN
Start	2747	End	8527
GI	none	Score	.49
Exons	2747..3010, 3813..3904, 6055..6268, 6550..7447, 7563..7664, 7899..8527		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35232	Strand	+
Start	10068	End	16968
Name	OJ990527_21.9C01.C4.o3.np	Method	AAT/NAP
Start	10068	End	16380
GI	4680179	Score	678
Exons	10068..10102, 11130..12231, 16349..16380		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35232	Strand	+
Start	10068	End	16968
Name	OJ990527_21.9C01.C4.o5.gs	Method	GENSCAN
Start	14619	End	16968
GI	none	Score	.44
Exons	14619..14766, 16349..16442, 16535..16598, 16648..16877, 16917..16968		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35233	Strand	+
Start	20973	End	22533
Name	OJ990527_21.9C01.C4.o7.gs	Method	GENSCAN
Start	20973	End	22533
GI	none	Score	.65
Exons	20973..21041, 21075..21683, 21979..22108, 22418..22533		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35234	Strand	+
Start	25999	End	26951
Name	OJ990527_21.9C01.C4.o6.np	Method	AAT/NAP
Start	25999	End	26951
GI	283051	Score	559
Exons	25999..26475, 26815..26951		
GI Descrip.	RNA-directed DNA polymerase (EC 2.7.7.49) - maize transposon (fragment)		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35235	Strand	-
Start	1201	End	2907
Name	OJ990527_21.9C01.C4.o1.np	Method	AAT/NAP
Start	1201	End	2907
GI	5257259	Score	201
Exons	1201..1278, 2755..2907		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35236	Strand	-
Start	7564	End	12815

Name	OJ990527_21.9C01.C4.o2.np	Method	AAT/NAP
Start	7564	End	12815
GI	4996361	Score	870
Exons	7564..8666, 12729..12815		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35236	Strand	-
Start	7564	End	12815
Name	OJ990527_21.9C01.C4.o2.gs	Method	GENSCAN
Start	8829	End	10240
GI	none	Score	.84
Exons	8829..9233, 9309..9949, 9955..10240		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35237	Strand	-
Start	13270	End	13596
Name	OJ990527_21.9C01.C4.o4.gs	Method	GENSCAN
Start	13270	End	13596
GI	none	Score	.99
Exons	13270..13596		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	7537	End	7818
GI	none	Score	287
Exons	7537..7812, 7538..7813, 7546..7818		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	7549	End	8209
GI	none	Score	58
Exons	7549..7854, 7681..7797, 7866..8006, 7874..8209, 7875..8018, 8130..8204		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o4.tw	Method	TBLASTX:Wheat
Start	7573	End	7770
GI	none	Score	77
Exons	7573..7737, 7582..7770, 7583..7759		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	7916	End	8374
GI	none	Score	341
Exons	7916..8374, 7917..8363		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-

Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	7973	End	8404
GI	none	Score	146
Exons	7973..8230, 7974..8270, 8243..8404, 8244..8399		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o5.tm	Method	TBLASTX:Maize
Start	8381	End	8644
GI	none	Score	149
Exons	8381..8644, 8385..8639, 8391..8477, 8537..8644		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	9057	End	21674
GI	none	Score	95
Exons	9057..9356, 9100..9357, 9399..9464, 9483..9566, 21507..21590, 21609..21674		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	11536	End	11871
GI	none	Score	278
Exons	11536..11871, 11557..11721, 11559..11741, 11758..11826		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o7.tm	Method	TBLASTX:Maize
Start	11536	End	11835
GI	none	Score	231
Exons	11536..11835, 11559..11720		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o4.np	Method	AAT/NAP
Start	15773	End	25124
GI	5295955	Score	759
Exons	15773..16342, 16446..16816, 16858..16981, 17664..17778, 18320..18390, 21103..21310, 21350..21447, 22988..23119, 23660..23775, 24721..24789, 25026..25124		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o6.gs	Method	GENSCAN
Start	18996	End	19486
GI	none	Score	.98

Exons	18996..19123, 19396..19486		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o8.tm	Method	TBLASTX:Maize
Start	22054	End	22404
GI	none	Score	121
Exons	22054..22221, 22056..22199, 22231..22404, 22239..22403		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o5.tw	Method	TBLASTX:Wheat
Start	22155	End	22461
GI	none	Score	183
Exons	22155..22202, 22162..22461, 22242..22406		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o8.gs	Method	GENSCAN
Start	23376	End	26223
GI	none	Score	.56
Exons	23376..23844, 23966..24062, 24754..24799, 25407..25496, 26209..26223		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o5.np	Method	AAT/NAP
Start	24710	End	26951
GI	4680183	Score	212
Exons	24710..24799, 25407..25477, 26922..26951		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o6.tm	Method	TBLASTX:Maize
Start	25717	End	26000
GI	none	Score	187
Exons	25717..25887, 25719..25883, 25893..26000, 25900..25998		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	26001	End	26459
GI	none	Score	134
Exons	26001..26108, 26005..26106, 26012..26110, 26083..26406, 26109..26405, 26387..26458, 26388..26459		
Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o2.ts	Method	TBLASTX:Soybean

Start	26011	End	26415
GI	none	Score	215
Exons	26011..26415		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	26041	End	26468
GI	none	Score	219
Exons	26041..26406, 26400..26468		

Seq. No.	16700	Seq. ID	OJ990527_21.9C01.C4
Gene No.	35238	Strand	-
Start	15773	End	26951
Name	OJ990527_21.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	26131	End	26468
GI	none	Score	247
Exons	26131..26406, 26184..26384, 26352..26468		

Seq. No.	16701	Seq. ID	OJ990527_21.9C01.C5
Gene No.	35239	Strand	+
Start	1	End	11023
Name	OJ990527_21.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	11023
GI	6523547	Score	342
Exons	1..62, 183..422, 10230..11023		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	16701	Seq. ID	OJ990527_21.9C01.C5
Gene No.	35239	Strand	+
Start	1	End	11023
Name	OJ990527_21.9C01.C5.o2.gs	Method	GENSCAN
Start	1170	End	3224
GI	none	Score	.78
Exons	1170..1251, 1318..1413, 2805..2977, 2988..3224		

Seq. No.	16701	Seq. ID	OJ990527_21.9C01.C5
Gene No.	35239	Strand	+
Start	1	End	11023
Name	OJ990527_21.9C01.C5.o2.gp	Method	AAT/GAP
Start	5478	End	5585
GI	uC-osflcyp088b12b1	Score	126
Exons	5478..5585		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16701	Seq. ID	OJ990527_21.9C01.C5
Gene No.	35240	Strand	-
Start	48	End	648
Name	OJ990527_21.9C01.C5.o1.gs	Method	GENSCAN
Start	48	End	648
GI	none	Score	.89
Exons	48..648		

Seq. No.	16701	Seq. ID	OJ990527_21.9C01.C5

Gene No.	35241	Strand	-
Start	11619	End	11775
Name	OJ990527_21.9C01.C5.o2.np	Method	AAT/NAP
Start	11619	End	11775
GI	4680183	Score	146
Exons	11619..11775		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35242	Strand	+
Start	1	End	3131
Name	OJ990527_21.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	3131
GI	4512618	Score	1282
Exons	1..31, 737..2057, 2085..2562, 3000..3131		
GI Descrip.	(AC004793) Strong similarity to gi|3600044 T12H20.12 protease homolog from Arabidopsis thaliana BAC gb|AF080119 and is a member of the reverse transcriptase family PF|00078.		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35242	Strand	+
Start	1	End	3131
Name	OJ990527_21.9C01.C6.o1.gp	Method	AAT/GAP
Start	87	End	192
GI	uC-osflcyp088b12b1	Score	136
Exons	87..192		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	997	End	1494
GI	5509260	Score	391
Exons	997..1494, 1320..1493		
GI Descrip.	-		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o2.tw	Method	TBLASTX:Wheat
Start	1015	End	1470
GI	none	Score	68
Exons	1015..1107, 1015..1107, 1138..1470, 1141..1251, 1320..1469		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o4.tm	Method	TBLASTX:Maize
Start	1041	End	1293
GI	none	Score	291
Exons	1041..1292, 1042..1293		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581

Name	OJ990527_21.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	1128	End	1380
GI	none	Score	240
Exons	1128..1289, 1129..1380		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o2.tm	Method	TBLASTX:Maize
Start	1293	End	1698
GI	none	Score	71
Exons	1293..1388, 1293..1694, 1294..1698		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1675	End	2185
GI	none	Score	156
Exons	1675..1836, 1680..1835, 1809..2078, 1849..2079, 2064..2132, 2065..2133, 2141..2185		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	1705	End	2192
GI	none	Score	423
Exons	1705..2079, 1716..2078, 2089..2190, 2094..2189, 2097..2192		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o2.ts	Method	TBLASTX:Soybean
Start	1870	End	2493
GI	none	Score	140
Exons	1870..2097, 2080..2493, 2088..2243, 2323..2415		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o3.tm	Method	TBLASTX:Maize
Start	2196	End	2538
GI	none	Score	370
Exons	2196..2249, 2200..2499, 2207..2422, 2292..2495, 2500..2535, 2500..2538		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-
Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o3.tw	Method	TBLASTX:Wheat
Start	2347	End	2565
GI	none	Score	194
Exons	2347..2565, 2358..2564		

Seq. No.	16702	Seq. ID	OJ990527_21.9C01.C6
Gene No.	35243	Strand	-

Start	6168	End	8581
Name	OJ990527_21.9C01.C6.o2.gs	Method	GENSCAN
Start	6168	End	8581
GI	none	Score	.82
Exons	6168..6184, 6349..6462, 7737..7769, 8551..8581		

Seq. No.	16703	Seq. ID	OJ990527_21.9C01.C7
Gene No.	35244	Strand	+
Start	1	End	1131
Name	OJ990527_21.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	1131
GI	3785975	Score	194
Exons	1..69, 158..296, 333..497, 1093..1131		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	16703	Seq. ID	OJ990527_21.9C01.C7
Gene No.	35244	Strand	+
Start	1	End	1131
Name	OJ990527_21.9C01.C7.o1.gp	Method	AAT/GAP
Start	9	End	505
GI	uC-osroM202001c04b1	Score	562
Exons	9..69, 158..273, 362..505		
GI Descrip.	'3785975 1.0e-45 (AC005560) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16703	Seq. ID	OJ990527_21.9C01.C7
Gene No.	35244	Strand	+
Start	1	End	1131
Name	OJ990527_21.9C01.C7.o1.gs	Method	GENSCAN
Start	158	End	497
GI	none	Score	.98
Exons	158..273, 362..497		

Seq. No.	16704	Seq. ID	OJ990527_21.9C01.C8
Gene No.	35245	Strand	-
Start	1	End	2082
Name	OJ990527_21.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	2082
GI	6705984	Score	918
Exons	1..1043, 1815..2082		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	16704	Seq. ID	OJ990527_21.9C01.C8
Gene No.	35245	Strand	-
Start	1	End	2082
Name	OJ990527_21.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	371	End	822
GI	none	Score	115
Exons	371..553, 385..660, 406..666, 665..820, 667..822		

Seq. No.	16704	Seq. ID	OJ990527_21.9C01.C8
Gene No.	35245	Strand	-
Start	1	End	2082
Name	OJ990527_21.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	424	End	817
GI	none	Score	42
Exons	424..474, 430..651, 517..657, 691..816, 692..817		

Seq. No.	16704	Seq. ID	OJ990527_21.9C01.C8
Gene No.	35245	Strand	-
Start	1	End	2082
Name	OJ990527_21.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	634	End	869
GI	none	Score	63
Exons	634..834, 660..821, 665..835, 822..869, 822..869		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35246	Strand	+
Start	553	End	729
Name	OJ990527_21.9C01.C9.o1.gs	Method	GENSCAN
Start	553	End	729
GI	none	Score	.42
Exons	553..729		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35247	Strand	+
Start	5193	End	5721
Name	OJ990527_21.9C01.C9.o1.np	Method	AAT/NAP
Start	5193	End	5721
GI	128835	Score	466
Exons	5193..5721		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE 49 KD SUBUNIT, CHLOROPLAST (ORF 393) gi|66200|pir||DERZ49 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) 49K protein - rice chloroplast gi|12056|emb|CAA33911| (X15901) NADH dehydrogenase 49kDa protein [Oryza sativa] gi|226677|prf||1603356DE NADH dehydrogenase 49kD protein [Oryza sativa]		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35248	Strand	+
Start	12998	End	37462
Name	OJ990527_21.9C01.C9.o5.gs	Method	GENSCAN
Start	12998	End	19135
GI	none	Score	.4
Exons	12998..13084, 13624..13746, 14152..14463, 15963..16021, 16165..16316, 17683..17862, 18147..18280, 18317..19135		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35248	Strand	+
Start	12998	End	37462
Name	OJ990527_21.9C01.C9.o2.np	Method	AAT/NAP
Start	18056	End	21952
GI	6539553	Score	6447
Exons	18056..21952		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35248	Strand	+
Start	12998	End	37462
Name	OJ990527_21.9C01.C9.o6.gs	Method	GENSCAN
Start	19592	End	37462

GI	none	Score	.63
Exons	19592..20842, 21164..21434, 21558..21951, 22740..22959, 23041..23320, 24951..25067, 25950..26077, 26420..26542, 26803..26943, 30399..30512, 30886..31032, 31144..31184, 31737..31816, 31917..32012, 32520..32850, 34387..35422, 35548..36238, 36313..36500, 36576..36765, 36837..36941, 37014..37462		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35248	Strand	+
Start	12998	End	37462
Name	OJ990527_21.9C01.C9.o3.np	Method	AAT/NAP
Start	23644	End	32848
GI	4557721	Score	269
Exons	23644..23708, 26420..26542, 26803..26943, 30399..30512, 30886..31137, 31895..32012, 32520..32848		
GI Descrip.	lipase A precursor gi|585405|sp|P38571|LICH_HUMAN LYSOSOMAL ACID LIPASE/CHOLESTERYL ESTER HYDROLASE PRECURSOR (LAL) (ACID CHOLESTERYL ESTER HYDROLASE) (STEROL ESTERASE) (LIPASE A) (CHOLESTERYL ESTERASE) gi|187152 (M74775) lysosomal acid lipase/cholesteryl esterase [Homo sapiens]		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35248	Strand	+
Start	12998	End	37462
Name	OJ990527_21.9C01.C9.o4.np	Method	AAT/NAP
Start	34538	End	37459
GI	6691716	Score	2370
Exons	34538..35408, 35606..35798, 35880..36166, 36313..36500, 36576..36687, 36837..36941, 37014..37459		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35249	Strand	-
Start	2749	End	5084
Name	OJ990527_21.9C01.C9.o2.gs	Method	GENSCAN
Start	2749	End	5084
GI	none	Score	.82
Exons	2749..2844, 4495..4752, 5082..5084		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35250	Strand	-
Start	7493	End	8849
Name	OJ990527_21.9C01.C9.o3.gs	Method	GENSCAN
Start	7493	End	8849
GI	none	Score	.86
Exons	7493..8017, 8739..8849		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35251	Strand	-
Start	9413	End	9666
Name	OJ990527_21.9C01.C9.o2.gp	Method	AAT/GAP
Start	9413	End	9666
GI	61605_3.R1084	Score	435
Exons	9413..9666		

GI Descrip. '1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35252	Strand	-
Start	37778	End	43887
Name	OJ990527_21.9C01.C9.o7.gs	Method	GENSCAN
Start	37778	End	38347
GI	none	Score	.61
Exons	37778..38347		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35252	Strand	-
Start	37778	End	43887
Name	OJ990527_21.9C01.C9.o5.np	Method	AAT/NAP
Start	37814	End	43887
GI	5922631	Score	6666
Exons	37814..40340, 40947..41870, 41997..42148, 42191..42762, 42808..43010, 43260..43504, 43763..43887		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35252	Strand	-
Start	37778	End	43887
Name	OJ990527_21.9C01.C9.o8.gs	Method	GENSCAN
Start	38423	End	43887
GI	none	Score	.46
Exons	38423..39905, 39917..40858, 40955..43887		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	5192	End	5551
GI	none	Score	90
Exons	5192..5242, 5193..5252, 5202..5360, 5238..5447, 5239..5457, 5392..5538, 5441..5551, 5442..5546		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o2.tc	Method	TBLASTX:Cress
Start	5329	End	5551
GI	none	Score	116
Exons	5329..5391, 5331..5393, 5404..5457, 5408..5446, 5437..5538, 5441..5551, 5442..5546		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o10.tw	Method	TBLASTX:Wheat

Start	18050	End	18436
GI	none	Score	319
Exons	18050..18436, 18064..18435		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o5.tm	Method	TBLASTX:Maize
Start	18185	End	18498
GI	none	Score	351
Exons	18185..18496, 18193..18498		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	18997	End	19319
GI	none	Score	264
Exons	18997..19251, 19004..19318, 19024..19317, 19152..19319		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o9.ts	Method	TBLASTX:Soybean
Start	19346	End	19732
GI	none	Score	94
Exons	19346..19501, 19493..19732		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o8.tm	Method	TBLASTX:Maize
Start	19520	End	38449
GI	none	Score	292
Exons	19520..19954, 19735..19929, 38318..38449		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o12.tw	Method	TBLASTX:Wheat
Start	19595	End	19789
GI	none	Score	265
Exons	19595..19789, 19598..19789		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o5.ts	Method	TBLASTX:Soybean
Start	19742	End	20140
GI	none	Score	194
Exons	19742..19966, 19750..19920, 19757..19951, 19967..20140, 19975..20013		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o1.tw	Method	TBLASTX:Wheat

Start	19790	End	20533
GI	none	Score	587
Exons	19790..20239, 19798..20244, 19799..20266, 20297..20527, 20298..20528, 20306..20533, 20374..20532		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	20548	End	20809
GI	none	Score	275
Exons	20548..20721, 20549..20809		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o2.ts	Method	TBLASTX:Soybean
Start	20548	End	20920
GI	5509260	Score	328
Exons	20548..20769, 20549..20920, 20857..20901		
GI Descrip.	-		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	20590	End	21055
GI	none	Score	357
Exons	20590..20769, 20591..21055, 20726..20908		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o6.tw	Method	TBLASTX:Wheat
Start	20591	End	21136
GI	none	Score	310
Exons	20591..20935, 20930..21136		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o4.ts	Method	TBLASTX:Soybean
Start	20989	End	21334
GI	none	Score	285
Exons	20989..21189, 20990..21334		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o7.tm	Method	TBLASTX:Maize
Start	21146	End	21484
GI	none	Score	294
Exons	21146..21484, 21146..21469		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240

Name	OJ990527_21.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	21340	End	21816
GI	none	Score	101
Exons	21340..21411, 21341..21415, 21341..21421, 21429..21737, 21431..21778, 21433..21816		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o8.ts	Method	TBLASTX:Soybean
Start	21347	End	21688
GI	none	Score	84
Exons	21347..21460, 21373..21447, 21479..21688, 21479..21667		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o11.tm	Method	TBLASTX:Maize
Start	32519	End	32899
GI	none	Score	54
Exons	32519..32557, 32570..32710, 32753..32899		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o7.ts	Method	TBLASTX:Soybean
Start	32525	End	32806
GI	none	Score	186
Exons	32525..32710, 32708..32806		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o14.tw	Method	TBLASTX:Wheat
Start	34658	End	34948
GI	none	Score	217
Exons	34658..34948		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o8.tw	Method	TBLASTX:Wheat
Start	37790	End	38404
GI	none	Score	80
Exons	37790..37921, 37913..38071, 38126..38404, 38142..38243, 38295..38384		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o9.tm	Method	TBLASTX:Maize
Start	37827	End	38062
GI	none	Score	105
Exons	37827..37931, 37829..37930, 37910..38062		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-

Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o5.tw	Method	TBLASTX:Wheat
Start	38519	End	38906
GI	none	Score	109
Exons	38519..38710, 38519..38905, 38595..38906		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	38549	End	38912
GI	none	Score	276
Exons	38549..38596, 38577..38891, 38588..38911, 38601..38912		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o15.tw	Method	TBLASTX:Wheat
Start	38909	End	39208
GI	none	Score	130
Exons	38909..39049, 39074..39208		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o10.tm	Method	TBLASTX:Maize
Start	39140	End	39394
GI	none	Score	193
Exons	39140..39394		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o7.tw	Method	TBLASTX:Wheat
Start	39224	End	39646
GI	none	Score	266
Exons	39224..39646, 39234..39638		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o6.ts	Method	TBLASTX:Soybean
Start	39267	End	39655
GI	none	Score	157
Exons	39267..39647, 39269..39511, 39551..39655		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o13.tw	Method	TBLASTX:Wheat
Start	39646	End	39931
GI	none	Score	72
Exons	39646..39744, 39647..39796, 39650..39883, 39771..39899, 39892..39930, 39902..39931		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-

Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o3.ts	Method	TBLASTX:Soybean
Start	39910	End	40281
GI	none	Score	47
Exons	39910..40281, 39914..40084, 40121..40264		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o4.tw	Method	TBLASTX:Wheat
Start	39935	End	40359
GI	none	Score	300
Exons	39935..40315, 39940..40359		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o6.tm	Method	TBLASTX:Maize
Start	40033	End	40416
GI	none	Score	171
Exons	40033..40416, 40034..40312		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	40444	End	40800
GI	none	Score	94
Exons	40444..40737, 40444..40800, 40454..40759		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o3.tw	Method	TBLASTX:Wheat
Start	40474	End	40930
GI	none	Score	265
Exons	40474..40929, 40475..40930		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o10.ts	Method	TBLASTX:Soybean
Start	40525	End	40890
GI	none	Score	136
Exons	40525..40659, 40666..40890		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o9.tw	Method	TBLASTX:Wheat
Start	41150	End	41607
GI	none	Score	147
Exons	41150..41386, 41152..41382, 41431..41607		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240

Name	OJ990527_21.9C01.C9.o11.tw	Method	TBLASTX:Wheat
Start	42184	End	42586
GI	none	Score	114
Exons	42184..42585, 42317..42586		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o6.np	Method	AAT/NAP
Start	44536	End	49234
GI	1063684	Score	36
Exons	44536..44657, 49197..49234		
GI Descrip.	(U39072) AtGRP2b [Arabidopsis thaliana] gi|4803937|gb|AAD29810.1|AC006264_18 (AC006264) glycine-rich protein (AtGRP2) [Arabidopsis thaliana]		

Seq. No.	16705	Seq. ID	OJ990527_21.9C01.C9
Gene No.	35253	Strand	-
Start	44536	End	49240
Name	OJ990527_21.9C01.C9.o9.gs	Method	GENSCAN
Start	45515	End	49240
GI	none	Score	.94
Exons	45515..46013, 46991..47115, 48938..49240		

Seq. No.	16706	Seq. ID	OJ990527_21.9C01.C10
Gene No.	35254	Strand	-
Start	4456	End	4864
Name	OJ990527_21.9C01.C10.o1.gp	Method	AAT/GAP
Start	4456	End	4864
GI	uC-osroM202001c04a1	Score	572
Exons	4456..4655, 4730..4864		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16706	Seq. ID	OJ990527_21.9C01.C10
Gene No.	35255	Strand	
Start	4789	End	6264
Name	OJ990527_21.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	4789	End	6264
GI	none	Score	105
Exons	4789..4869, 4789..4869, 4814..4870, 5020..5148, 5026..5148, 5932..6048, 5933..6049, 5934..6047, 5986..6048, 6135..6263, 6135..6263, 6136..6264		

Seq. No.	16707	Seq. ID	OJ990527_21.9C01.C16
Gene No.	35256	Strand	+
Start	469	End	719
Name	OJ990527_21.9C01.C16.o1.gs	Method	GENSCAN
Start	469	End	528
GI	none	Score	.94
Exons	469..528		

Seq. No.	16707	Seq. ID	OJ990527_21.9C01.C16
Gene No.	35256	Strand	+
Start	469	End	719
Name	OJ990527_21.9C01.C16.o1.np	Method	AAT/NAP
Start	469	End	719

GI	2498930	Score	65
Exons	469..528, 696..719		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16708	Seq. ID	OJ990427_23.9C03.C1
Gene No.	35257	Strand	-
Start	39	End	1289
Name	OJ990427_23.9C03.C1.o1.gs	Method	GENSCAN
Start	39	End	1289
GI	none	Score	.85
Exons	39..166, 244..387, 441..581, 1082..1289		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35258	Strand	+
Start	7239	End	9122
Name	OJ990427_23.9C03.C2.o3.gs	Method	GENSCAN
Start	7239	End	9122
GI	none	Score	.53
Exons	7239..7259, 7635..7676, 8493..8819, 9048..9122		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.gs	Method	GENSCAN
Start	172	End	590
GI	none	Score	.62
Exons	172..270, 468..590		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.np	Method	AAT/NAP
Start	488	End	14497
GI	6665543	Score	918
Exons	488..560, 3208..4246, 4377..4466, 4590..4696, 5322..5603, 7740..7857, 11167..11431, 14271..14497		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o2.gs	Method	GENSCAN
Start	1855	End	6126
GI	none	Score	.63
Exons	1855..2079, 2159..2236, 3225..4246, 4590..5105, 5220..6126		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	3183	End	13500
GI	none	Score	145
Exons	3183..3743, 3426..3734, 3439..3744, 3765..4118, 3784..3963, 3798..4043, 4594..4656, 5224..5298, 5566..5739, 5920..6018, 11457..12020, 11713..11940, 12023..12187, 12039..12392, 12049..12246, 12072..12311, 13005..13076, 13438..13500		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	3198	End	12443
GI	none	Score	176
Exons	3198..3737, 3207..3695, 3385..3720, 3703..3969, 3750..4169, 3774..4052, 11472..12011, 11481..11939, 11695..11940, 12018..12443, 12025..12243, 12249..12323		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	3369	End	12440
GI	none	Score	217
Exons	3369..3740, 3418..3735, 3765..3914, 3769..3903, 3909..4076, 3912..4166, 11643..12014, 11692..11922, 11712..12008, 12039..12188, 12049..12177, 12186..12440, 12234..12335		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	3415	End	11937
GI	none	Score	105
Exons	3415..3540, 3417..3554, 3555..3683, 11689..11814, 11691..11828, 11829..11936, 11854..11937		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	3684	End	12383
GI	none	Score	164
Exons	3684..3743, 3765..4109, 3784..3966, 3947..4069, 11979..12017, 12018..12194, 12039..12383, 12058..12246, 12221..12331		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	4576	End	13193
GI	none	Score	81
Exons	4576..4770, 4583..4768, 4585..4779, 4586..4780, 5218..5283, 5320..5373, 12996..13190, 13008..13193, 13030..13191		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	5867	End	14545
GI	none	Score	114
Exons	5867..6022, 5869..6045, 5870..6046, 5893..6024, 14282..14371, 14284..14370, 14285..14371, 14374..14439, 14377..14514, 14441..14545		

Seq. No.	16709	Seq. ID	OJ990427_23.9C03.C2
Gene No.	35259	Strand	-
Start	172	End	14545
Name	OJ990427_23.9C03.C2.o5.gs	Method	GENSCAN
Start	11274	End	14538
GI	none	Score	.54
Exons	11274..12323, 13375..13526, 13620..14538		

Seq. No.	16710	Seq. ID	OJ990427_23.9C03.C3
Gene No.	35260	Strand	+
Start	97	End	128
Name	OJ990427_23.9C03.C3.o1.gs	Method	GENSCAN
Start	97	End	128
GI	none	Score	.81
Exons	97..128		

Seq. No.	16710	Seq. ID	OJ990427_23.9C03.C3
Gene No.	35261	Strand	+
Start	2830	End	4084
Name	OJ990427_23.9C03.C3.o1.np	Method	AAT/NAP
Start	2830	End	4084
GI	6850308	Score	547
Exons	2830..2947, 3206..4084		
GI Descrip.	(AC009999) Contains similarity to a Lipase-like protein from Ipomoea nil gb|U55867 and contains a Lipase PF|01764 domain. [Arabidopsis thaliana]		

Seq. No.	16710	Seq. ID	OJ990427_23.9C03.C3
Gene No.	35261	Strand	+
Start	2830	End	4084
Name	OJ990427_23.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	3278	End	4013
GI	none	Score	83
Exons	3278..3373, 3422..3472, 3491..3616, 3680..3739, 3812..3850, 3924..3980, 3987..4013		

Seq. No.	16710	Seq. ID	OJ990427_23.9C03.C3
Gene No.	35261	Strand	+
Start	2830	End	4084
Name	OJ990427_23.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	3416	End	3980
GI	none	Score	55
Exons	3416..3454, 3491..3616, 3515..3616, 3680..3739, 3682..3849, 3819..3884, 3921..3980		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35262	Strand	+
Start	1	End	6345
Name	OJ990427_23.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	6345
GI	6466937	Score	2331
Exons	1..47, 764..849, 1370..5712, 6279..6345		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4

Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	2084	End	2703
GI	none	Score	134
Exons	2084..2212, 2290..2538, 2620..2703		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	2772	End	3299
GI	none	Score	563
Exons	2772..3299, 2821..3297		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	2920	End	3402
GI	none	Score	391
Exons	2920..3402, 3000..3368, 3040..3372		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	2956	End	3270
GI	none	Score	237
Exons	2956..3270		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	3366	End	3729
GI	none	Score	308
Exons	3366..3725, 3379..3729		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o4.tw	Method	TBLASTX:Wheat
Start	3454	End	3852
GI	none	Score	309
Exons	3454..3852, 3462..3818		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	3484	End	4002
GI	none	Score	621
Exons	3484..4002, 3489..3998		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-

Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o4.ts	Method	TBLASTX:Soybean
Start	3763	End	4017
GI	none	Score	230
Exons	3763..4017, 3765..3968		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	4003	End	4428
GI	none	Score	192
Exons	4003..4203, 4005..4202, 4192..4428, 4222..4368		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	4198	End	4596
GI	none	Score	371
Exons	4198..4596, 4456..4596		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	4429	End	5064
GI	none	Score	783
Exons	4429..5064, 4515..5063		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	4464	End	4836
GI	none	Score	341
Exons	4464..4745, 4465..4836		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o5.tw	Method	TBLASTX:Wheat
Start	4684	End	5076
GI	none	Score	294
Exons	4684..5076, 4687..5064		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	5067	End	5754
GI	none	Score	369
Exons	5067..5120, 5068..5436, 5193..5333, 5512..5754, 5523..5657		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462

Name	OJ990427_23.9C03.C4.o3.tw	Method	TBLASTX:Wheat
Start	5134	End	5469
GI	none	Score	324
Exons	5134..5469, 5167..5436, 5193..5444		

Seq. No.	16711	Seq. ID	OJ990427_23.9C03.C4
Gene No.	35263	Strand	-
Start	7382	End	7462
Name	OJ990427_23.9C03.C4.o2.gs	Method	GENSCAN
Start	7382	End	7462
GI	none	Score	.63
Exons	7382..7462		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35264	Strand	+
Start	1	End	7245
Name	OJ990427_23.9C03.C6.o3.np	Method	AAT/NAP
Start	1	End	7245
GI	4680183	Score	212
Exons	1..23, 6444..6545, 7156..7245		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35265	Strand	+
Start	10579	End	12212
Name	OJ990427_23.9C03.C6.o5.np	Method	AAT/NAP
Start	10579	End	12206
GI	5689236	Score	324
Exons	10579..10685, 11421..11496, 11591..11642, 11748..11825, 11930..12000, 12125..12206		
GI Descrip.	(AB024291) ZmRR2 [Zea mays] gi|6009897|dbj|BAA85113.1| (AB031012) response regulator 2 [Zea mays]		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35265	Strand	+
Start	10579	End	12212
Name	OJ990427_23.9C03.C6.o2.gs	Method	GENSCAN
Start	11337	End	12212
GI	none	Score	.93
Exons	11337..11496, 11591..11637, 11748..11825, 11930..12000, 12125..12212		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35266	Strand	-
Start	88	End	11166
Name	OJ990427_23.9C03.C6.o1.gs	Method	GENSCAN
Start	88	End	11166
GI	none	Score	.48
Exons	88..4481, 4535..4631, 4974..5164, 5197..5770, 6100..6235, 6504..6540, 7628..7715, 8157..8219, 8262..8353, 8446..8480, 9761..9861, 10314..10407, 10635..10690, 10963..11166		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35266	Strand	-
Start	88	End	11166
Name	OJ990427_23.9C03.C6.o1.np	Method	AAT/NAP
Start	91	End	4631

GI	4680179	Score	7773
Exons	91..4631		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35266	Strand	-
Start	88	End	11166
Name	OJ990427_23.9C03.C6.o2.np	Method	AAT/NAP
Start	4886	End	5704
GI	5042448	Score	1126
Exons	4886..5704		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35266	Strand	-
Start	88	End	11166
Name	OJ990427_23.9C03.C6.o1.gp	Method	AAT/GAP
Start	6332	End	10351
GI	1631463	Score	700
Exons	6332..6540, 7606..7674, 9761..9861, 10314..10351		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35266	Strand	-
Start	88	End	11166
Name	OJ990427_23.9C03.C6.o4.np	Method	AAT/NAP
Start	8100	End	10974
GI	4884836	Score	63
Exons	8100..8329, 8617..8746, 8838..8993, 10883..10974		
GI Descrip.	(AF131877) NapG oxidoreductase [Streptomyces collinus]		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o8.tm	Method	TBLASTX:Maize
Start	82	End	327
GI	none	Score	184
Exons	82..138, 130..327		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o6.tw	Method	TBLASTX:Wheat
Start	136	End	469
GI	none	Score	64
Exons	136..468, 157..318, 260..376, 361..462, 416..469		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	328	End	915
GI	none	Score	266
Exons	328..756, 329..754, 754..915, 761..907		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	469	End	1095
GI	none	Score	383
Exons	469..1095, 470..1093		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	964	End	1255
GI	none	Score	262
Exons	964..1254, 968..1255		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	1054	End	1314
GI	none	Score	151
Exons	1054..1314, 1055..1309		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o2.tc	Method	TBLASTX:Cress
Start	1078	End	1395
GI	none	Score	92
Exons	1078..1221, 1079..1219, 1222..1395		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	1102	End	1581
GI	none	Score	306
Exons	1102..1581, 1103..1510, 1135..1548		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	1585	End	2094
GI	none	Score	55
Exons	1585..2094, 1586..1708, 1669..2052, 1751..2062		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	1657	End	2022
GI	none	Score	159
Exons	1657..1968, 1669..2022, 1754..2020		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o4.ts	Method	TBLASTX:Soybean
Start	1843	End	2088
GI	none	Score	198
Exons	1843..2088		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	2059	End	2559
GI	none	Score	43
Exons	2059..2394, 2102..2152, 2177..2308, 2380..2559		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	2095	End	2397
GI	none	Score	250
Exons	2095..2397, 2096..2377, 2295..2396		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	2110	End	2505
GI	none	Score	174
Exons	2110..2469, 2111..2374, 2426..2476, 2461..2505, 2473..2505		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	2446	End	2928
GI	none	Score	165
Exons	2446..2928, 2455..2799, 2489..2824		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o5.ts	Method	TBLASTX:Soybean
Start	2578	End	2892
GI	none	Score	60
Exons	2578..2892, 2579..2776		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o6.tm	Method	TBLASTX:Maize
Start	2627	End	2916
GI	none	Score	165
Exons	2627..2818, 2629..2916		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6

Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o8.tw	Method	TBLASTX:Wheat
Start	3085	End	3507
GI	none	Score	109
Exons	3085..3273, 3092..3247, 3313..3507, 3359..3457		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o7.tm	Method	TBLASTX:Maize
Start	3850	End	4146
GI	none	Score	106
Exons	3850..4146, 3862..4146, 3959..4129		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o7.tw	Method	TBLASTX:Wheat
Start	4027	End	4386
GI	none	Score	132
Exons	4027..4386, 4028..4360		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	11420	End	12203
GI	none	Score	110
Exons	11420..11515, 11421..11516, 11590..11631, 11747..11842, 11751..11825, 11924..12001, 11929..12003, 11929..12006, 12117..12203, 12125..12199		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o1.tc	Method	TBLASTX:Cress
Start	11421	End	12197
GI	none	Score	72
Exons	11421..11507, 11589..11639, 11590..11634, 11753..11827, 11757..11825, 11914..12006, 11924..12001, 12092..12196, 12117..12197		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	11745	End	12191
GI	none	Score	99
Exons	11745..11825, 11756..11827, 11917..12006, 11924..12001, 12117..12191, 12119..12178		

Seq. No.	16712	Seq. ID	OJ990427_23.9C03.C6
Gene No.	35267	Strand	-
Start	12567	End	13390
Name	OJ990427_23.9C03.C6.o3.gs	Method	GENSCAN
Start	12567	End	13390

GI	none	Score	.93
Exons	12567..12827, 13355..13390		

Seq. No.	16713	Seq. ID	OJ990427_23.9C03.C7
Gene No.	35268	Strand	+
Start	1809	End	4192
Name	OJ990427_23.9C03.C7.o1.gs	Method	GENSCAN
Start	1809	End	3867
GI	none	Score	.95
Exons	1809..1886, 2508..2589, 2990..3192, 3523..3867		

Seq. No.	16713	Seq. ID	OJ990427_23.9C03.C7
Gene No.	35268	Strand	+
Start	1809	End	4192
Name	OJ990427_23.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	2989	End	3192
GI	none	Score	263
Exons	2989..3192, 3000..3191		

Seq. No.	16713	Seq. ID	OJ990427_23.9C03.C7
Gene No.	35268	Strand	+
Start	1809	End	4192
Name	OJ990427_23.9C03.C7.o1.np	Method	AAT/NAP
Start	3646	End	4192
GI	3402679	Score	230
Exons	3646..3856, 4153..4192		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35269	Strand	+
Start	1	End	6948
Name	OJ990427_23.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	6939
GI	3402679	Score	2636
Exons	1..39, 146..273, 1128..1301, 1389..1458, 2052..2336, 2414..2611, 3195..3296, 3386..3637, 3745..3963, 4224..4394, 4892..5077, 5974..6939		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35269	Strand	+
Start	1	End	6948
Name	OJ990427_23.9C03.C8.o1.gs	Method	GENSCAN
Start	131	End	6948
GI	none	Score	.97
Exons	131..273, 1128..1301, 1389..1458, 2052..2336, 2414..2611, 3195..3296, 3386..3637, 3745..3963, 4224..4394, 4892..5077, 5974..6948		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35269	Strand	+
Start	1	End	6948
Name	OJ990427_23.9C03.C8.o1.gp	Method	AAT/GAP
Start	4888	End	5036
GI	3106512	Score	256
Exons	4888..5036		
GI Descrip.	3402679 6.0e-09 (AC004697) unknown protein [Arabidopsis		

thaliana]

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o2.ts	Method	TBLASTX:Soybean
Start	3865	End	4394
GI	none	Score	132
Exons	3865..3966, 3865..3966, 4221..4394, 4245..4370, 4265..4393		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	4331	End	6015
GI	none	Score	96
Exons	4331..4393, 4335..4394, 4890..5081, 4891..5079, 4895..5101, 5968..6015		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	4891	End	6462
GI	none	Score	95
Exons	4891..5079, 4891..5070, 4895..5101, 5968..6012, 6082..6357, 6193..6357, 6298..6462		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	6015	End	6693
GI	none	Score	166
Exons	6015..6248, 6017..6523, 6025..6522, 6082..6525, 6453..6524, 6523..6693, 6529..6681, 6624..6692		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	6471	End	6861
GI	none	Score	56
Exons	6471..6524, 6472..6525, 6560..6583, 6592..6813, 6627..6695, 6751..6861		

Seq. No.	16714	Seq. ID	OJ990427_23.9C03.C8
Gene No.	35270	Strand	-
Start	7821	End	8846
Name	OJ990427_23.9C03.C8.o2.gs	Method	GENSCAN
Start	7821	End	8846
GI	none	Score	.45
Exons	7821..8044, 8653..8846		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35271	Strand	+
Start	49	End	259

Name	OJ990427_23.9C03.C9.o1.gp	Method	AAT/GAP
Start	49	End	259
GI	1631463	Score	373
Exons	49..259		
GI Descrip.	4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35271	Strand	+
Start	49	End	259
Name	OJ990427_23.9C03.C9.o1.gs	Method	GENSCAN
Start	51	End	158
GI	none	Score	.87
Exons	51..158		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35272	Strand	+
Start	12027	End	19473
Name	OJ990427_23.9C03.C9.o5.gs	Method	GENSCAN
Start	12027	End	19472
GI	none	Score	.76
Exons	12027..12048, 12679..12894, 12924..13026, 13433..13551, 13638..13906, 14467..14657, 15264..15435, 15493..15724, 17191..17524, 17596..17708, 17973..18113, 18232..19472		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35272	Strand	+
Start	12027	End	19473
Name	OJ990427_23.9C03.C9.o2.np	Method	AAT/NAP
Start	17557	End	19473
GI	6665543	Score	850
Exons	17557..17708, 17973..18043, 18215..19473		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35273	Strand	+
Start	19694	End	20827
Name	OJ990427_23.9C03.C9.o3.np	Method	AAT/NAP
Start	19694	End	20827
GI	5852093	Score	81
Exons	19694..19823, 20805..20827		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35274	Strand	-
Start	1	End	116
Name	OJ990427_23.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	116
GI	4680183	Score	73
Exons	1..116		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35275	Strand	-
Start	2415	End	3138
Name	OJ990427_23.9C03.C9.o2.gs	Method	GENSCAN

Start	2415	End	3138
GI	none	Score	.89
Exons	2415..2798, 2998..3138		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35276	Strand	-
Start	3996	End	5424
Name	OJ990427_23.9C03.C9.o3.gs	Method	GENSCAN
Start	3996	End	5424
GI	none	Score	.51
Exons	3996..4363, 4526..4825, 4949..5192, 5251..5424		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	12822	End	13032
GI	none	Score	202
Exons	12822..12977, 12826..13032, 12829..13002		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	17217	End	19295
GI	none	Score	66
Exons	17217..17288, 17642..17704, 18360..18722, 18435..18692, 18506..18703, 18736..18819, 18737..18982, 18738..19295, 18744..19025, 18812..19039		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	18309	End	19280
GI	none	Score	390
Exons	18309..18719, 18422..18460, 18429..18680, 18524..18694, 18741..19280, 18744..19040, 18758..19057		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	18324	End	19061
GI	none	Score	49
Exons	18324..18377, 18363..18566, 18426..18518, 18534..18713, 18575..18703, 18738..19061, 18742..18834, 18815..19060		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	18369	End	18776
GI	none	Score	385
Exons	18369..18713, 18423..18692, 18506..18694, 18738..18776		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9

Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o2.tw	Method	TBLASTX:Wheat
Start	18816	End	19063
GI	none	Score	131
Exons	18816..18923, 18924..19061, 18926..19063		

Seq. No.	16715	Seq. ID	OJ990427_23.9C03.C9
Gene No.	35277	Strand	-
Start	20466	End	20588
Name	OJ990427_23.9C03.C9.o6.gs	Method	GENSCAN
Start	20466	End	20588
GI	none	Score	.73
Exons	20466..20588		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35278	Strand	+
Start	3036	End	4865
Name	OJ990427_23.9C03.C10.o1.gp	Method	AAT/GAP
Start	2195	End	2268
GI	5816507	Score	101
Exons	2195..2268		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-17 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35278	Strand	+
Start	3036	End	4865
Name	OJ990427_23.9C03.C10.o2.gs	Method	GENSCAN
Start	3036	End	4865
GI	none	Score	.58
Exons	3036..3165, 3969..4128, 4310..4865		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35279	Strand	+
Start	6007	End	17796
Name	OJ990427_23.9C03.C10.o1.np	Method	AAT/NAP
Start	6007	End	17787
GI	6465806	Score	1455
Exons	6007..6054, 7198..7274, 7746..7846, 8283..8353, 10498..10560, 10913..10957, 11067..11132, 11216..11263, 11350..11445, 11525..11566, 11686..11889, 12253..12406, 12561..12751, 13117..13203, 13440..13694, 14573..14694, 15322..15412, 16654..17069, 17676..17787		
GI Descrip.	(AJ130878) GCN4-complementing protein (GCP1) [Arabidopsis thaliana]		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35279	Strand	+
Start	6007	End	17796
Name	OJ990427_23.9C03.C10.o4.gs	Method	GENSCAN
Start	7409	End	17796
GI	none	Score	.72
Exons	7409..7416, 7722..7846, 8283..8353, 8875..9045, 10498..10560, 11067..11132, 11216..11263, 11686..11901, 12253..12375, 12539..12751, 13117..13203, 13446..13694, 14573..14694, 15322..15412, 16654..17069, 17676..17796		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35279	Strand	+
Start	6007	End	17796
Name	OJ990427_23.9C03.C10.o2.gp	Method	AAT/GAP
Start	12575	End	13555
GI	LIB3434-026-P1-K1-B6	Score	628
Exons	12575..12751, 13117..13203, 13446..13555		
GI Descrip.	'1931654 2.0e-19 (U95973) BRCA1-associated RING domain protein isolog [Arabidopsis thaliana]'		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35279	Strand	+
Start	6007	End	17796
Name	OJ990427_23.9C03.C10.o3.gp	Method	AAT/GAP
Start	15358	End	16841
GI	3107662	Score	446
Exons	15358..15491, 16652..16841		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35280	Strand	-
Start	5084	End	6008
Name	OJ990427_23.9C03.C10.o3.gs	Method	GENSCAN
Start	5084	End	6008
GI	none	Score	.75
Exons	5084..5320, 5808..6008		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35281	Strand	
Start	11064	End	11817
Name	OJ990427_23.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	11064	End	11733
GI	none	Score	73
Exons	11064..11132, 11213..11266, 11224..11265, 11345..11446, 11346..11450, 11349..11456, 11350..11478, 11522..11569, 11523..11573, 11525..11569, 11683..11733		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35281	Strand	
Start	11064	End	11817
Name	OJ990427_23.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	11341	End	11817
GI	none	Score	129
Exons	11341..11442, 11344..11442, 11349..11450, 11525..11569, 11683..11817, 11692..11778		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35282	Strand	
Start	13556	End	14641
Name	OJ990427_23.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	13556	End	14641
GI	none	Score	221
Exons	13556..13696, 13557..13688, 14573..14641		

Seq. No.	16716	Seq. ID	OJ990427_23.9C03.C10
Gene No.	35283	Strand	
Start	15302	End	17783

Name	OJ990427_23.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	15302	End	17783
GI	none	Score	98
Exons	15302..15391, 15322..15396, 15323..15394, 16651..17070, 16651..17070, 16652..17080, 16653..17090, 17653..17781, 17664..17783		

Seq. No.	16717	Seq. ID	OJ990427_23.9C03.C11
Gene No.	35284	Strand	+
Start	1	End	397
Name	OJ990427_23.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	396
GI	6006359	Score	71
Exons	1..91, 292..396		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16717	Seq. ID	OJ990427_23.9C03.C11
Gene No.	35284	Strand	+
Start	1	End	397
Name	OJ990427_23.9C03.C11.o1.gs	Method	GENSCAN
Start	296	End	397
GI	none	Score	.56
Exons	296..397		

Seq. No.	16718	Seq. ID	OJ990427_23.9C03.C12
Gene No.	35285	Strand	-
Start	395	End	665
Name	OJ990427_23.9C03.C12.o1.gs	Method	GENSCAN
Start	395	End	665
GI	none	Score	.82
Exons	395..508, 552..665		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	3331
GI	6665543	Score	258
Exons	1..366, 518..607, 772..872, 1943..2016, 3306..3331		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o2.tm	Method	TBLASTX:Maize
Start	1	End	537
GI	none	Score	87
Exons	1..96, 2..73, 50..364, 77..295, 81..359, 201..368, 451..537, 453..536		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	1	End	229
GI	none	Score	56
Exons	1..96, 2..73, 80..229, 91..177		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o1.gs	Method	GENSCAN
Start	59	End	7548
GI	none	Score	.6
Exons	59..300, 772..1224, 1385..2281, 2462..2589, 3687..3891, 4364..4529, 4957..4995, 5831..6295, 6693..6751, 6855..7548		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o3.tm	Method	TBLASTX:Maize
Start	770	End	959
GI	none	Score	136
Exons	770..958, 792..959		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o1.gp	Method	AAT/GAP
Start	4194	End	4506
GI	3758959	Score	569
Exons	4194..4506		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o4.tm	Method	TBLASTX:Maize
Start	4430	End	5977
GI	none	Score	76
Exons	4430..4531, 4434..4532, 4435..4530, 4957..5004, 5814..5951, 5822..5965, 5823..5969, 5824..5973, 5831..5977		

Seq. No.	16719	Seq. ID	OJ990427_23.9C03.C13
Gene No.	35286	Strand	-
Start	1	End	7643
Name	OJ990427_23.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	6883	End	7643
GI	none	Score	178
Exons	6883..7044, 6884..7102, 6884..7102, 6891..7103, 7100..7306, 7100..7384, 7104..7568, 7104..7562, 7108..7569, 7120..7569, 7540..7605, 7552..7632, 7569..7643, 7577..7642		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35287	Strand	+
Start	3920	End	6820
Name	OJ990527_26.9C10.C2.o2.gs	Method	GENSCAN
Start	3920	End	5825
GI	none	Score	.64
Exons	3920..4123, 5385..5825		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35287	Strand	+
Start	3920	End	6820
Name	OJ990527_26.9C10.C2.o1.gp	Method	AAT/GAP

Start	4796	End	4987
GI	5667165	Score	368
Exons	4796..4987		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35287	Strand	+
Start	3920	End	6820
Name	OJ990527_26.9C10.C2.o2.np	Method	AAT/NAP
Start	5073	End	6820
GI	6907086	Score	1467
Exons	5073..5842, 5900..6150, 6365..6412, 6525..6820		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35288	Strand	+
Start	11782	End	15555
Name	OJ990527_26.9C10.C2.o2.gp	Method	AAT/GAP
Start	11782	End	14394
GI	42817_1.R1084	Score	949
Exons	11782..11928, 14050..14394		
GI Descrip.	'1669341/dbj|BAA08094| 7.0e-19 (D45066) AOBP (ascorbate oxidase promoter-binding protein) [Cucurbita maxima]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35288	Strand	+
Start	11782	End	15555
Name	OJ990527_26.9C10.C2.o4.np	Method	AAT/NAP
Start	14053	End	15387
GI	6539573	Score	721
Exons	14053..15387		
GI Descrip.	(AP000836) Similar to H-protein promoter binding factor-2a (AF079503) [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35288	Strand	+
Start	11782	End	15555
Name	OJ990527_26.9C10.C2.o5.gs	Method	GENSCAN
Start	14074	End	15390
GI	none	Score	.75
Exons	14074..15390		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35288	Strand	+
Start	11782	End	15555
Name	OJ990527_26.9C10.C2.o3.gp	Method	AAT/GAP
Start	14797	End	15555
GI	13267_1.R1084	Score	1466
Exons	14797..15555		
GI Descrip.	'4218536/emb|AJ010830.1|TSP010830 1.0e-38 Triticum sp. mRNA for GRAB2 protein'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35289	Strand	+
Start	25329	End	27518
Name	OJ990527_26.9C10.C2.o6.np	Method	AAT/NAP

Start	25329	End	27518
GI	1655699	Score	119
Exons	25329..25534, 27492..27518		
GI Descrip.	(Y07752) pherophorin-S [Volvox carteri]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35290	Strand	+
Start	50839	End	53221
Name	OJ990527_26.9C10.C2.o8.gs	Method	GENSCAN
Start	50839	End	51943
GI	none	Score	.82
Exons	50839..51040, 51093..51415, 51518..51943		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35290	Strand	+
Start	50839	End	53221
Name	OJ990527_26.9C10.C2.o8.np	Method	AAT/NAP
Start	50845	End	53221
GI	4218537	Score	631
Exons	50845..51040, 51138..51415, 51518..51677, 53187..53221		
GI Descrip.	(AJ010830) GRAB2 protein [Triticum sp.]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35290	Strand	+
Start	50839	End	53221
Name	OJ990527_26.9C10.C2.o4.gp	Method	AAT/GAP
Start	51283	End	51752
GI	5003897	Score	716
Exons	51283..51415, 51518..51752		
GI Descrip.	4218536/emb|AJ010830.1|TSP010830 1.0e-38 Triticum sp. mRNA for GRAB2 protein		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35291	Strand	+
Start	57469	End	59673
Name	OJ990527_26.9C10.C2.o9.gs	Method	GENSCAN
Start	57469	End	59673
GI	none	Score	.6
Exons	57469..57534, 58130..58186, 59599..59673		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35292	Strand	+
Start	62323	End	62697
Name	OJ990527_26.9C10.C2.o5.gp	Method	AAT/GAP
Start	62323	End	62697
GI	none	Score	719
Exons	62323..62697		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35293	Strand	+
Start	65174	End	65554
Name	OJ990527_26.9C10.C2.o6.gp	Method	AAT/GAP
Start	65174	End	65554
GI	none	Score	728
Exons	65174..65554		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2

Gene No.	35294	Strand	+
Start	69668	End	70175
Name	OJ990527_26.9C10.C2.o7.gp	Method	AAT/GAP
Start	69668	End	70175
GI	uC-osf1M202115b11b1	Score	719
Exons	69668..69707, 69795..70175		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 8.0e-09 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35295	Strand	+
Start	70545	End	71619
Name	OJ990527_26.9C10.C2.o12.gs	Method	GENSCAN
Start	70545	End	71619
GI	none	Score	.54
Exons	70545..70548, 71198..71619		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35296	Strand	+
Start	79829	End	81268
Name	OJ990527_26.9C10.C2.o15.gs	Method	GENSCAN
Start	79829	End	81059
GI	none	Score	.93
Exons	79829..80053, 80248..80424, 80526..80690, 80787..81059		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35296	Strand	+
Start	79829	End	81268
Name	OJ990527_26.9C10.C2.o10.np	Method	AAT/NAP
Start	80230	End	81056
GI	3063444	Score	604
Exons	80230..80424, 80526..80690, 80787..81056		
GI Descrip.	(AC003981) F22O13.5 [Arabidopsis thaliana] gi|4973256|gb|AAD35005.1|AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35296	Strand	+
Start	79829	End	81268
Name	OJ990527_26.9C10.C2.o8.gp	Method	AAT/GAP
Start	80253	End	81268
GI	12232_2.R1084	Score	1536
Exons	80253..80424, 80526..80690, 80787..81268		
GI Descrip.	'3063444 6.0e-72 (AC003981) F22O13.5 [Arabidopsis thaliana] >gi_4973256_gb_AAD35005.1_AF144387_1 (AF144387) thioredoxin-like 1 [Arabidopsis thaliana]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35297	Strand	+
Start	83028	End	85101
Name	OJ990527_26.9C10.C2.o9.gp	Method	AAT/GAP
Start	83028	End	84609
GI	288_3.R1084	Score	3101
Exons	83028..84609		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35297	Strand	+
Start	83028	End	85101
Name	OJ990527_26.9C10.C2.o12.np	Method	AAT/NAP
Start	83573	End	85101
GI	114622	Score	134
Exons	83573..83686, 84770..85101		
GI Descrip.	ATP SYNTHASE B CHAIN (SUBUNIT I) gi|67929|pir||LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast gi|669080|emb|CAA33992| (X15901) ATPase I subunit [Oryza sativa] gi|226695|prf||1603356W ATPase I [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35298	Strand	+
Start	85270	End	86535
Name	OJ990527_26.9C10.C2.o17.gs	Method	GENSCAN
Start	85270	End	86535
GI	none	Score	.71
Exons	85270..85377, 86449..86535		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35299	Strand	+
Start	97519	End	105837
Name	OJ990527_26.9C10.C2.o18.np	Method	AAT/NAP
Start	97519	End	105837
GI	2224919	Score	61
Exons	97519..97558, 102049..102222, 103298..103509, 105476..105564, 105811..105837		
GI Descrip.	(AF000605) insect intestinal mucin IIM14 [Trichoplusia ni]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35299	Strand	+
Start	97519	End	105837
Name	OJ990527_26.9C10.C2.o21.gs	Method	GENSCAN
Start	103148	End	104659
GI	none	Score	.51
Exons	103148..103281, 103298..103498, 103981..104096, 104565..104659		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35299	Strand	+
Start	97519	End	105837
Name	OJ990527_26.9C10.C2.o13.gp	Method	AAT/GAP
Start	105087	End	105531
GI	none	Score	712
Exons	105087..105531		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35300	Strand	-
Start	1	End	902
Name	OJ990527_26.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	902
GI	6223651	Score	496
Exons	1..78, 273..653, 734..902		
GI Descrip.	(AC011698) NAM-like protein (no apical meristem) [Arabidopsis thaliana]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35301	Strand	-
Start	5380	End	8078
Name	OJ990527_26.9C10.C2.o3.np	Method	AAT/NAP
Start	5380	End	8078
GI	6069646	Score	471
Exons	5380..5414, 7028..7102, 7385..8078		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35301	Strand	-
Start	5380	End	8078
Name	OJ990527_26.9C10.C2.o3.gs	Method	GENSCAN
Start	6209	End	8054
GI	none	Score	.56
Exons	6209..6702, 6974..8054		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35302	Strand	-
Start	18228	End	19824
Name	OJ990527_26.9C10.C2.o5.np	Method	AAT/NAP
Start	18228	End	19824
GI	6091768	Score	355
Exons	18228..18280, 19469..19824		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35303	Strand	-
Start	27282	End	45006
Name	OJ990527_26.9C10.C2.o7.np	Method	AAT/NAP
Start	27282	End	45006
GI	5852093	Score	46
Exons	27282..27355, 32073..32185, 44980..45006		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35304	Strand	-
Start	74351	End	75102
Name	OJ990527_26.9C10.C2.o9.np	Method	AAT/NAP
Start	73412	End	75102
GI	6907086	Score	1192
Exons	73412..73879, 74110..74260, 74320..75102		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35304	Strand	-
Start	74351	End	75102
Name	OJ990527_26.9C10.C2.o13.gs	Method	GENSCAN
Start	74351	End	74854
GI	none	Score	1
Exons	74351..74854		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2

Gene No.	35305	Strand	-
Start	76936	End	77439
Name	OJ990527_26.9C10.C2.o14.gs	Method	GENSCAN
Start	76936	End	77439
GI	none	Score	.82
Exons	76936..77439		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35306	Strand	-
Start	83277	End	83973
Name	OJ990527_26.9C10.C2.o16.gs	Method	GENSCAN
Start	83277	End	83973
GI	none	Score	.98
Exons	83277..83510, 83593..83973		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35306	Strand	-
Start	83277	End	83973
Name	OJ990527_26.9C10.C2.o11.np	Method	AAT/NAP
Start	83280	End	83973
GI	1658315	Score	1115
Exons	83280..83510, 83593..83973		
GI Descrip.	(Y08988) osr40g3 [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35307	Strand	-
Start	87040	End	89296
Name	OJ990527_26.9C10.C2.o18.gs	Method	GENSCAN
Start	87040	End	88650
GI	none	Score	.91
Exons	87040..87248, 87254..87482, 87573..87695, 87774..88247, 88277..88399, 88492..88650		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35307	Strand	-
Start	87040	End	89296
Name	OJ990527_26.9C10.C2.o10.gp	Method	AAT/GAP
Start	87193	End	89296
GI	288_1.R1084	Score	4157
Exons	87193..89296		
GI Descrip.	'1658313/emb|CAA70174| 0.0e+00 (Y08987) osr40g2 [Oryza sativa]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35307	Strand	-
Start	87040	End	89296
Name	OJ990527_26.9C10.C2.o13.np	Method	AAT/NAP
Start	87255	End	88650
GI	1658313	Score	1778
Exons	87255..87482, 87573..87695, 87774..88169, 88277..88399, 88492..88650		
GI Descrip.	(Y08987) osr40g2 [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o16.np	Method	AAT/NAP
Start	93412	End	97088

GI	3047086	Score	701
Exons	93412..93445, 94011..94384, 94877..97088		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o14.np	Method	AAT/NAP
Start	93900	End	99160
GI	6069646	Score	2723
Exons	93900..94884, 95150..95942, 99128..99160		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o20.gs	Method	GENSCAN
Start	94084	End	102750
GI	none	Score	.78
Exons	94084..94128, 94188..95036, 95212..95465, 95557..95572, 95656..97169, 97223..97307, 97479..97815, 98044..98116, 98464..98692, 98908..99030, 99137..99694, 99794..99946, 101217..101262, 101485..101548, 102151..102353, 102566..102750		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o15.np	Method	AAT/NAP
Start	95785	End	96189
GI	804809	Score	132
Exons	95785..96189		
GI Descrip.	(M13100) unknown protein [Rattus norvegicus]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o11.gp	Method	AAT/GAP
Start	98143	End	99062
GI	288_9.R1084	Score	867
Exons	98143..98381, 98464..98692, 98908..99062		
GI Descrip.	'1658313/emb|CAA70174| 1.0e-102 (Y08987) osr40g2 [Oryza sativa]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o17.np	Method	AAT/NAP
Start	98465	End	100174
GI	1658313	Score	1293
Exons	98465..98692, 98908..99030, 99137..99276, 99440..99694, 99794..99916, 100016..100174		
GI Descrip.	(Y08987) osr40g2 [Oryza sativa]		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35308	Strand	-
Start	93412	End	102750
Name	OJ990527_26.9C10.C2.o12.gp	Method	AAT/GAP
Start	99131	End	99593
GI	LIB3434-023-P1-K1-C6	Score	871
Exons	99131..99593		
GI Descrip.	'1296955/emb|CAA64683| 7.0e-16 (X95402) duplicated domain structure protein [Oryza sativa]'		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	415	End	51385
GI	none	Score	86
Exons	415..498, 419..517, 523..648, 524..649, 730..759, 735..875, 847..873, 50901..50957, 50902..51039, 51009..51050, 51139..51369, 51143..51385		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o4.tw	Method	TBLASTX:Wheat
Start	415	End	51376
GI	none	Score	103
Exons	415..507, 419..508, 500..640, 523..645, 51151..51261, 51152..51268, 51277..51369, 51281..51376		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	415	End	51589
GI	none	Score	133
Exons	415..444, 523..657, 524..658, 530..670, 729..875, 730..780, 847..873, 50901..51044, 50902..51045, 50977..51048, 51133..51276, 51134..51277, 51277..51333, 51278..51334, 51344..51415, 51353..51406, 51512..51589, 51515..51574		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	415	End	51550
GI	none	Score	92
Exons	415..498, 419..499, 523..651, 524..652, 729..875, 733..774, 847..873, 50901..51038, 50902..51045, 51140..51289, 51142..51276, 51286..51369, 51287..51403, 51512..51550		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o6.tw	Method	TBLASTX:Wheat
Start	735	End	102717
GI	none	Score	97
Exons	735..875, 736..873, 50901..51038, 50902..51045, 102610..102717		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o13.tm	Method	TBLASTX:Maize
Start	6951	End	94941
GI	none	Score	93
Exons	6951..7157, 6961..7158, 94809..94940, 94813..94941		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o3.tw	Method	TBLASTX:Wheat
Start	7089	End	95286
GI	none	Score	52
Exons	7089..7247, 7093..7182, 7233..7529, 7237..7350, 7396..7527, 94863..94991, 95023..95286, 95072..95281		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o5.tm	Method	TBLASTX:Maize
Start	7170	End	95622
GI	none	Score	43
Exons	7170..7844, 94944..95015, 94950..95015, 95023..95613, 95060..95434, 95161..95622, 95454..95618		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o8.tm	Method	TBLASTX:Maize
Start	7854	End	96111
GI	none	Score	41
Exons	7854..7937, 7944..8078, 95626..95733, 95633..95692, 95704..95946, 95720..95947, 95971..96111, 95987..96097		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o7.tw	Method	TBLASTX:Wheat
Start	7956	End	96048
GI	none	Score	81
Exons	7956..8078, 95713..95919, 95902..96048		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	14047	End	14736
GI	none	Score	171
Exons	14047..14247, 14049..14240, 14232..14324, 14233..14475, 14237..14464, 14370..14474, 14549..14617, 14553..14615, 14554..14652, 14554..14637, 14590..14652, 14615..14656, 14641..14679, 14645..14686, 14645..14677, 14647..14688, 14683..14736		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2

Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o4.tc	Method	TBLASTX:Cress
Start	14194	End	15386
GI	none	Score	362
Exons	14194..14496, 14247..14324, 14258..14386, 14275..14445, 14370..14447, 15181..15255, 15183..15251, 15330..15386, 15331..15381		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	14266	End	14496
GI	none	Score	350
Exons	14266..14496, 14266..14463		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o10.tm	Method	TBLASTX:Maize
Start	14746	End	15033
GI	none	Score	43
Exons	14746..14772, 14746..14886, 14759..14899, 14770..14889, 14899..14955, 14908..14949, 14983..15033		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o7.tm	Method	TBLASTX:Maize
Start	15034	End	15396
GI	none	Score	108
Exons	15034..15171, 15084..15110, 15105..15167, 15146..15298, 15174..15293, 15175..15324, 15306..15392, 15309..15392, 15310..15396		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o5.ts	Method	TBLASTX:Soybean
Start	19573	End	19744
GI	none	Score	197
Exons	19573..19743, 19574..19744		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o5.tc	Method	TBLASTX:Cress
Start	19585	End	19758
GI	none	Score	148
Exons	19585..19758, 19586..19744		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o12.tm	Method	TBLASTX:Maize
Start	34204	End	34703

GI	none	Score	141
Exons	34204..34500, 34275..34400, 34313..34468, 34324..34485, 34465..34632, 34469..34615, 34469..34642, 34626..34703, 34627..34695		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	79955	End	80951
GI	none	Score	291
Exons	79955..80023, 80244..80423, 80245..80427, 80468..80695, 80523..80696, 80786..80947, 80787..80951		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	80245	End	80903
GI	none	Score	240
Exons	80245..80427, 80268..80423, 80523..80693, 80525..80695, 80786..80884, 80787..80903		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	80250	End	81025
GI	none	Score	102
Exons	80250..80321, 80250..80423, 80251..80427, 80468..80695, 80523..80693, 80786..81025, 80787..81011, 80789..81025		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	80251	End	80885
GI	none	Score	220
Exons	80251..80427, 80271..80420, 80523..80696, 80525..80695, 80787..80858, 80829..80885		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	83283	End	100183
GI	none	Score	310
Exons	83283..83510, 83283..83510, 83287..83511, 83287..83511, 83588..83818, 83590..83820, 83590..83820, 83591..83773, 87247..87483, 87249..87482, 87255..87482, 87255..87482, 87352..87483, 87569..87655, 87570..87698, 87570..87695, 87570..87695, 87571..87699, 87573..87698, 87766..87912, 87774..87911, 87774..87890, 87775..87891, 87906..88169, 87928..88170, 87942..88178, 87943..88179, 88099..88206, 88259..88408, 88268..88408, 88269..88424, 88269..88409, 88492..88638, 88492..88584, 88493..88639, 88493..88549, 98451..98693, 98458..98517, 98465..98692, 98465..98692,		

98466..98528, 98565..98693, 98572..98694, 98572..98694,
98635..98706, 98905..99033, 98905..99045, 98905..99045,
98908..99033, 99137..99241, 99137..99241, 99138..99239,
99138..99242, 99156..99293, 99174..99269, 99463..99519,
99464..99541, 99466..99519, 99467..99541, 99473..99694,
99473..99694, 99474..99695, 99477..99695, 99637..99696,
99637..99696, 99777..99938, 99791..99919, 99791..99934,
99792..99938, 100016..100183, 100016..100141, 100017..100145,
100017..100142

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	83283	End	99935
GI	none	Score	169

Exons 83283..83510, 83287..83496, 83590..83754, 83591..83755,
87249..87482, 87256..87312, 87358..87462, 87570..87695,
87571..87696, 87942..88169, 87943..88149, 88259..88408,
88275..88409, 88492..88530, 98459..98692, 98466..98528,
98568..98678, 98905..99039, 98906..99040, 99474..99680,
99476..99694, 99791..99934, 99792..99935

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	83283	End	100120
GI	none	Score	185

Exons 83283..83510, 83284..83511, 83590..83829, 83591..83818,
87255..87482, 87355..87483, 87570..87698, 87570..87695,
87571..87699, 87774..87872, 87942..88169, 87946..88170,
88259..88408, 88269..88412, 88492..88584, 88493..88591,
98465..98692, 98565..98693, 98905..99042, 98906..99031,
98908..99033, 99137..99259, 99137..99250, 99473..99694,
99474..99695, 99791..99934, 99792..99941, 100016..100120,
100017..100118

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	83283	End	100141
GI	none	Score	127

Exons 83283..83399, 83287..83400, 83403..83510, 83404..83511,
83590..83820, 83591..83818, 87254..87337, 87255..87359,
87255..87371, 87375..87482, 87376..87483, 87431..87484,
87563..87625, 87570..87698, 87570..87695, 87571..87699,
87774..87944, 87775..87861, 87930..88061, 87931..88062,
88063..88170, 88065..88169, 88268..88408, 88269..88409,
88492..88620, 88493..88624, 88603..88650, 88610..88633,
98456..98527, 98464..98514, 98465..98581, 98466..98582,
98585..98692, 98586..98693, 98587..98694, 98635..98706,
98905..99033, 98905..99045, 99137..99268, 99137..99244,
99463..99516, 99473..99583, 99474..99584, 99587..99694,
99588..99695, 99777..99941, 99791..99919, 100016..100141,
100017..100118

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o8.tw	Method	TBLASTX:Wheat
Start	84774	End	84999
GI	none	Score	55
Exons	84774..84830, 84778..84834, 84854..84913, 84855..84998, 84856..84999, 84856..84996, 84876..84998		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o6.tm	Method	TBLASTX:Maize
Start	93915	End	94475
GI	none	Score	101
Exons	93915..94139, 94140..94475, 94159..94404		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o5.tw	Method	TBLASTX:Wheat
Start	94026	End	94379
GI	none	Score	79
Exons	94026..94061, 94182..94379, 94186..94350		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o11.tm	Method	TBLASTX:Maize
Start	94476	End	94721
GI	none	Score	212
Exons	94476..94721		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o9.tm	Method	TBLASTX:Maize
Start	96115	End	96588
GI	none	Score	96
Exons	96115..96471, 96269..96466, 96469..96588		

Seq. No.	16720	Seq. ID	OJ990527_26.9C10.C2
Gene No.	35309	Strand	-
Start	105418	End	105825
Name	OJ990527_26.9C10.C2.o22.gs	Method	GENSCAN
Start	105418	End	105825
GI	none	Score	.55
Exons	105418..105624, 105661..105825		

Seq. No.	16721	Seq. ID	OJ990527_26.9C10.C3
Gene No.	35310	Strand	-
Start	39	End	249
Name	OJ990527_26.9C10.C3.o1.gs	Method	GENSCAN
Start	39	End	249
GI	none	Score	.91
Exons	39..249		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35311	Strand	+
Start	1	End	2924
Name	OJ990527_26.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	2891
GI	6006801	Score	933
Exons	1..86, 188..280, 797..1002, 1482..1576, 2203..2417, 2500..2698, 2791..2891		
GI Descrip.	(AF156783) apyrase [Arabidopsis thaliana]		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35311	Strand	+
Start	1	End	2924
Name	OJ990527_26.9C10.C4.o1.gs	Method	GENSCAN
Start	188	End	2888
GI	none	Score	.93
Exons	188..280, 797..1002, 1482..1576, 2203..2417, 2500..2689, 2782..2888		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35311	Strand	+
Start	1	End	2924
Name	OJ990527_26.9C10.C4.o1.gp	Method	AAT/GAP
Start	230	End	2335
GI	uC-osflcyp101a05b1	Score	878
Exons	230..280, 797..1002, 1482..1576, 2203..2335		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35311	Strand	+
Start	1	End	2924
Name	OJ990527_26.9C10.C4.o2.gp	Method	AAT/GAP
Start	2392	End	2924
GI	702910	Score	667
Exons	2392..2417, 2500..2689, 2782..2924		
GI Descrip.	6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35312	Strand	+
Start	8035	End	8887
Name	OJ990527_26.9C10.C4.o4.np	Method	AAT/NAP
Start	8035	End	8887
GI	5922623	Score	241
Exons	8035..8119, 8496..8648, 8816..8887		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	18	End	2888
GI	none	Score	77

Exons	18..89, 29..100, 178..282, 186..281, 188..283, 786..998, 793..1002, 797..1000, 1465..1578, 1476..1586, 2197..2418, 2202..2417, 2202..2525, 2203..2418, 2481..2690, 2491..2694, 2494..2712, 2780..2869, 2781..2870, 2788..2871, 2790..2888		
Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	793	End	2887
GI	none	Score	51
Exons	793..837, 793..1002, 797..1000, 874..1005, 1465..1527, 2202..2312, 2228..2302, 2304..2417, 2310..2432, 2311..2418, 2481..2693, 2482..2694, 2491..2694, 2543..2698, 2616..2717, 2781..2885, 2798..2887, 2798..2884		
Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o2.np	Method	AAT/NAP
Start	2224	End	5549
GI	2388583	Score	163
Exons	2224..2256, 3892..4116, 5529..5549		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		
Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o3.np	Method	AAT/NAP
Start	2577	End	4503
GI	2832408	Score	113
Exons	2577..2673, 4364..4503		
GI Descrip.	(Y14209) R2R3-MYB transcription factor [Arabidopsis thaliana]		
Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o2.gs	Method	GENSCAN
Start	3815	End	8561
GI	none	Score	.58
Exons	3815..4395, 4586..4687, 5019..5128, 5413..5530, 6470..6515, 8068..8238, 8475..8561		
Seq. No.	16722	Seq. ID	OJ990527_26.9C10.C4
Gene No.	35313	Strand	-
Start	2224	End	8561
Name	OJ990527_26.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	3887	End	4661
GI	none	Score	89
Exons	3887..3958, 3890..4108, 3891..4025, 4581..4661, 4590..4640		
Seq. No.	16723	Seq. ID	OJ990527_26.9C10.C6
Gene No.	35314	Strand	+
Start	485	End	1809
Name	OJ990527_26.9C10.C6.o1.gs	Method	GENSCAN
Start	485	End	1809

GI	none	Score	.58
Exons	485..552, 1732..1809		

Seq. No.	16723	Seq. ID	OJ990527_26.9C10.C6
Gene No.	35315	Strand	+
Start	3295	End	4644
Name	OJ990527_26.9C10.C6.o2.gs	Method	GENSCAN
Start	3295	End	4626
GI	none	Score	.66
Exons	3295..3330, 4492..4626		

Seq. No.	16723	Seq. ID	OJ990527_26.9C10.C6
Gene No.	35315	Strand	+
Start	3295	End	4644
Name	OJ990527_26.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	3748	End	4182
GI	none	Score	256
Exons	3748..4080, 3761..3928, 3763..3930, 3786..3941, 4105..4182		

Seq. No.	16723	Seq. ID	OJ990527_26.9C10.C6
Gene No.	35315	Strand	+
Start	3295	End	4644
Name	OJ990527_26.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	3907	End	4275
GI	none	Score	305
Exons	3907..4275, 4152..4274		

Seq. No.	16723	Seq. ID	OJ990527_26.9C10.C6
Gene No.	35315	Strand	+
Start	3295	End	4644
Name	OJ990527_26.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	4353	End	4644
GI	none	Score	166
Exons	4353..4466, 4354..4551, 4408..4539, 4546..4644		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35316	Strand	+
Start	1	End	4471
Name	OJ990527_26.9C10.C7.o3.np	Method	AAT/NAP
Start	1	End	4462
GI	6069646	Score	369
Exons	1..35, 3603..4462		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35316	Strand	+
Start	1	End	4471
Name	OJ990527_26.9C10.C7.o2.gs	Method	GENSCAN
Start	3700	End	4471
GI	none	Score	.64
Exons	3700..3771, 3830..3994, 4289..4471		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7

Gene No.	35317	Strand	-
Start	1	End	1690
Name	OJ990527_26.9C10.C7.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	4879971	Score	113
Exons	1..77		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35317	Strand	-
Start	1	End	1690
Name	OJ990527_26.9C10.C7.o1.np	Method	AAT/NAP
Start	1	End	1690
GI	6907086	Score	1161
Exons	1..77, 116..459, 689..851, 911..1690		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35317	Strand	-
Start	1	End	1690
Name	OJ990527_26.9C10.C7.o1.gs	Method	GENSCAN
Start	945	End	1232
GI	none	Score	.85
Exons	945..1232		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35318	Strand	-
Start	2407	End	3399
Name	OJ990527_26.9C10.C7.o2.np	Method	AAT/NAP
Start	2407	End	3399
GI	4680186	Score	197
Exons	2407..2821, 3321..3399		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35319	Strand	
Start	3983	End	4444
Name	OJ990527_26.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	3983	End	4255
GI	none	Score	310
Exons	3983..4255, 3983..4255		

Seq. No.	16724	Seq. ID	OJ990527_26.9C10.C7
Gene No.	35319	Strand	
Start	3983	End	4444
Name	OJ990527_26.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	4043	End	4444
GI	none	Score	105
Exons	4043..4192, 4251..4289, 4286..4444		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.gs	Method	GENSCAN
Start	455	End	13095
GI	none	Score	.89
Exons	455..967, 1095..1167, 1258..1342, 1438..1495, 1583..1659, 1758..1968, 2474..2627, 2657..2791, 4918..5095, 6126..8090,		

8188..8395, 8601..8919, 9567..9691, 9778..9911, 10843..10918, 11030..11182, 11583..12286, 12390..12565, 12699..12861, 12953..13095

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.np	Method	AAT/NAP
Start	884	End	1965
GI	6223653	Score	440
Exons	884..967, 1095..1164, 1258..1355, 1451..1495, 1583..1659, 1758..1965		
GI Descrip.	(AC011698) transfactor-like [Arabidopsis thaliana]		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o4.tm	Method	TBLASTX:Maize
Start	1577	End	1860
GI	none	Score	53
Exons	1577..1660, 1583..1666, 1744..1860, 1754..1858		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	1583	End	1959
GI	none	Score	57
Exons	1583..1666, 1587..1652, 1744..1959, 1745..1891		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	1584	End	1971
GI	none	Score	79
Exons	1584..1652, 1586..1660, 1744..1971, 1754..1900		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.gp	Method	AAT/GAP
Start	4704	End	4885
GI	2796282	Score	309
Exons	4704..4885		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o2.gp	Method	AAT/GAP
Start	4873	End	5259
GI	5003268	Score	654
Exons	4873..5259		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460

Name	OJ990527_26.9C10.C8.o2.np	Method	AAT/NAP
Start	5146	End	11182
GI	4204261	Score	672
Exons	5146..5305, 6092..6471, 6673..7586, 7665..8006, 8035..8915, 9560..9691, 9778..9911, 10861..10918, 11030..11182		
GI Descrip.	(AC005223) 27887 [Arabidopsis thaliana]		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o3.np	Method	AAT/NAP
Start	5146	End	13460
GI	4204261	Score	706
Exons	5146..5305, 6092..6471, 6673..7586, 7665..8006, 8035..8915, 9560..9691, 9778..9911, 10861..10918, 11030..11182, 11583..12280, 12346..12583, 12699..12861, 12953..13095, 13437..13460		
GI Descrip.	(AC005223) 27887 [Arabidopsis thaliana]		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	6299	End	6910
GI	none	Score	111
Exons	6299..6319, 6342..6470, 6344..6469, 6389..6478, 6396..6473, 6401..6484, 6419..6469, 6419..6508, 6432..6503, 6437..6511, 6440..6526, 6440..6514, 6440..6505, 6449..6550, 6449..6547, 6461..6520, 6464..6526, 6473..6511, 6476..6526, 6481..6504, 6481..6552, 6482..6559, 6482..6574, 6484..6552, 6485..6553, 6487..6519, 6502..6576, 6505..6552, 6514..6552, 6519..6848, 6519..6830, 6539..6865, 6557..6616, 6582..6653, 6596..6664, 6725..6865, 6878..6910		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o5.tm	Method	TBLASTX:Maize
Start	6865	End	7456
GI	none	Score	60
Exons	6865..6966, 6919..7089, 6921..6989, 6923..7003, 6936..7007, 7014..7220, 7040..7222, 7044..7220, 7060..7221, 7063..7233, 7237..7290, 7325..7354, 7325..7363, 7376..7456		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	7550	End	7831
GI	none	Score	101
Exons	7550..7711, 7551..7712, 7664..7831, 7717..7830		

Seq. No.	16725	Seq. ID	OJ990527_26.9C10.C8
Gene No.	35320	Strand	-
Start	455	End	13460
Name	OJ990527_26.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	11895	End	12736

GI	none	Score	118
Exons	11895..12038, 11896..12021, 11968..12084, 12030..12119, 12062..12124, 12064..12123, 12140..12181, 12142..12231, 12220..12288, 12221..12289, 12383..12418, 12407..12472, 12419..12472, 12475..12516, 12514..12573, 12515..12574, 12698..12736, 12698..12733		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35321	Strand	+
Start	4351	End	5585
Name	OJ990527_26.9C10.C9.o2.np	Method	AAT/NAP
Start	4351	End	5585
GI	2262103	Score	622
Exons	4351..4459, 4567..4884, 4973..5169, 5264..5585		
GI Descrip.	(AC002343) unknown protein [Arabidopsis thaliana] gi|5668642|emb|CAB51657.1| (AL109619) putative protein [Arabidopsis thaliana]		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35322	Strand	-
Start	1	End	3348
Name	OJ990527_26.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	3339
GI	4204261	Score	318
Exons	1..92, 718..888, 1521..1655, 2392..2560, 2828..3057, 3138..3339		
GI Descrip.	(AC005223) 27887 [Arabidopsis thaliana]		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35322	Strand	-
Start	1	End	3348
Name	OJ990527_26.9C10.C9.o1.gs	Method	GENSCAN
Start	752	End	3348
GI	none	Score	.83
Exons	752..876, 1506..1548, 2840..3057, 3138..3348		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35322	Strand	-
Start	1	End	3348
Name	OJ990527_26.9C10.C9.o1.gp	Method	AAT/GAP
Start	1506	End	1586
GI	2800823	Score	107
Exons	1506..1586		
GI Descrip.	4204261 1.0e-10 (AC005223) 27887 [Arabidopsis thaliana]		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35323	Strand	-
Start	6854	End	6969
Name	OJ990527_26.9C10.C9.o3.np	Method	AAT/NAP
Start	6854	End	6969
GI	4678270	Score	113
Exons	6854..6969		
GI Descrip.	(AL049660) protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o3.tm	Method	TBLASTX:Maize

Start	4346	End	4821
GI	none	Score	73
Exons	4346..4450, 4575..4622, 4576..4623, 4663..4821, 4665..4757, 4666..4767		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o3.tc	Method	TBLASTX:Cress
Start	4591	End	4817
GI	none	Score	53
Exons	4591..4623, 4645..4815, 4662..4817		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o4.tm	Method	TBLASTX:Maize
Start	4849	End	5173
GI	none	Score	42
Exons	4849..4884, 4994..5173, 5042..5173		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o2.tc	Method	TBLASTX:Cress
Start	4994	End	5570
GI	none	Score	162
Exons	4994..5161, 4997..5167, 5265..5384, 5403..5570		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o5.tm	Method	TBLASTX:Maize
Start	5263	End	5570
GI	none	Score	78
Exons	5263..5346, 5277..5384, 5303..5383, 5402..5524, 5403..5570, 5415..5570		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	6914	End	7097
GI	none	Score	233
Exons	6914..7093, 6915..7097, 6915..7094		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	6917	End	7089
GI	none	Score	97
Exons	6917..7003, 6918..7004, 6918..7004, 6919..7005, 6979..7089, 6980..7087		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-

Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o4.np	Method	AAT/NAP
Start	9099	End	11980
GI	4239845	Score	1120
Exons	9099..9129, 10662..11980		
GI Descrip.	(AB015855) transcription factor TEIL [Nicotiana tabacum]		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o2.gp	Method	AAT/GAP
Start	10065	End	10857
GI	76990_1.R1084	Score	1536
Exons	10065..10857		
GI Descrip.	'2224933 6.0e-10 (AF004216) ethylene-insensitive3 [Arabidopsis thaliana] >gi_2224935 (AF004217) ethylene-insensitive3 [Arabidopsis thaliana]'		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	10265	End	11821
GI	none	Score	49
Exons	10265..10324, 10293..10313, 10365..10466, 10374..10469, 10521..10604, 10599..10625, 10614..10757, 10684..10881, 10788..10883, 10941..10973, 10993..11046, 11046..11234, 11051..11422, 11058..11369, 11330..11416, 11474..11683, 11475..11705, 11768..11821		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o3.gs	Method	GENSCAN
Start	10293	End	12138
GI	none	Score	.48
Exons	10293..11131, 11137..12138		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	10518	End	11821
GI	none	Score	314
Exons	10518..10619, 10656..10751, 10944..10982, 11058..11369, 11060..11422, 11474..11683, 11487..11705, 11771..11821		

Seq. No.	16726	Seq. ID	OJ990527_26.9C10.C9
Gene No.	35324	Strand	-
Start	9099	End	12138
Name	OJ990527_26.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	10656	End	11821
GI	none	Score	350
Exons	10656..10757, 10795..10824, 11054..11422, 11055..11369, 11474..11683, 11475..11705, 11777..11821		

Seq. No.	16727	Seq. ID	OJ990527_26.9C10.C10

Gene No.	35325	Strand	+
Start	128	End	873
Name	OJ990527_26.9C10.C10.o1.gs	Method	GENSCAN
Start	128	End	856
GI	none	Score	.67
Exons	128..224, 420..658, 698..856		

Seq. No.	16727	Seq. ID	OJ990527_26.9C10.C10
Gene No.	35325	Strand	+
Start	128	End	873
Name	OJ990527_26.9C10.C10.o1.np	Method	AAT/NAP
Start	488	End	873
GI	6907089	Score	317
Exons	488..873		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16728	Seq. ID	OJ990527_26.9C10.C11
Gene No.	35326	Strand	-
Start	1	End	407
Name	OJ990527_26.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	407
GI	4584255	Score	120
Exons	1..21, 98..407		
GI Descrip.	(Y18471) SINA1p [Vitis vinifera]		

Seq. No.	16729	Seq. ID	OJ990527_26.9C10.C13
Gene No.	35327	Strand	-
Start	445	End	530
Name	OJ990527_26.9C10.C13.o1.gs	Method	GENSCAN
Start	445	End	530
GI	none	Score	.43
Exons	445..530		

Seq. No.	16730	Seq. ID	OJ990527_26.9C10.C14
Gene No.	35328	Strand	+
Start	1	End	946
Name	OJ990527_26.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	946
GI	6721562	Score	988
Exons	1..946		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	16730	Seq. ID	OJ990527_26.9C10.C14
Gene No.	35328	Strand	+
Start	1	End	946
Name	OJ990527_26.9C10.C14.o1.gs	Method	GENSCAN
Start	60	End	926
GI	none	Score	.45
Exons	60..136, 173..374, 657..926		

Seq. No.	16730	Seq. ID	OJ990527_26.9C10.C14
Gene No.	35328	Strand	+
Start	1	End	946

Name	OJ990527_26.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	454	End	800
GI	none	Score	93
Exons	454..543, 458..544, 539..769, 540..800		

Seq. No.	16731	Seq. ID	OJ990527_26.9C10.C19
Gene No.	35329	Strand	+
Start	445	End	520
Name	OJ990527_26.9C10.C19.o1.gs	Method	GENSCAN
Start	445	End	520
GI	none	Score	.69
Exons	445..520		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35330	Strand	+
Start	73	End	412
Name	OJ990527_26.9C10.C21.o1.np	Method	AAT/NAP
Start	73	End	412
GI	3264611	Score	552
Exons	73..412		
GI Descrip.	(AF061511) seven in absentia homolog [Zea mays]		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35331	Strand	+
Start	350	End	663
Name	OJ990527_26.9C10.C21.o1.gp	Method	AAT/GAP
Start	350	End	663
GI	286847	Score	585
Exons	350..663		
GI Descrip.	3264610/gb|AF061511|AF061511 1.0e-10 Zea mays seven in absentia homolog mRNA, partial cds		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35332	Strand	-
Start	85	End	445
Name	OJ990527_26.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	59	End	445
GI	none	Score	90
Exons	59..103, 61..105, 73..390, 107..391, 109..237, 110..391, 374..445		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35332	Strand	-
Start	85	End	445
Name	OJ990527_26.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	61	End	430
GI	none	Score	90
Exons	61..105, 64..237, 64..420, 110..430		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35332	Strand	-
Start	85	End	445
Name	OJ990527_26.9C10.C21.o1.tc	Method	TBLASTX:Cress
Start	67	End	364
GI	none	Score	56
Exons	67..105, 110..331, 112..330, 332..364		

Seq. No.	16732	Seq. ID	OJ990527_26.9C10.C21
Gene No.	35332	Strand	-
Start	85	End	445
Name	OJ990527_26.9C10.C21.o1.gs	Method	GENSCAN
Start	85	End	280
GI	none	Score	.42
Exons	85..280		

Seq. No.	16733	Seq. ID	OJ990527_26.9C10.C23
Gene No.	35333	Strand	-
Start	391	End	551
Name	OJ990527_26.9C10.C23.o1.gs	Method	GENSCAN
Start	391	End	551
GI	none	Score	.74
Exons	391..551		

Seq. No.	16734	Seq. ID	OJ990527_26.9C10.C27
Gene No.	35334	Strand	-
Start	19	End	622
Name	OJ990527_26.9C10.C27.o1.gs	Method	GENSCAN
Start	19	End	622
GI	none	Score	.85
Exons	19..230, 349..622		

Seq. No.	16735	Seq. ID	OJ990527_26.9C10.C29
Gene No.	35335	Strand	+
Start	1	End	566
Name	OJ990527_26.9C10.C29.o1.np	Method	AAT/NAP
Start	1	End	566
GI	6498441	Score	364
Exons	1..566		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16735	Seq. ID	OJ990527_26.9C10.C29
Gene No.	35335	Strand	+
Start	1	End	566
Name	OJ990527_26.9C10.C29.o1.gs	Method	GENSCAN
Start	41	End	496
GI	none	Score	.83
Exons	41..496		

Seq. No.	16735	Seq. ID	OJ990527_26.9C10.C29
Gene No.	35335	Strand	+
Start	1	End	566
Name	OJ990527_26.9C10.C29.o1.tw	Method	TBLASTX:Wheat
Start	118	End	562
GI	none	Score	352
Exons	118..255, 119..562, 313..561		

Seq. No.	16736	Seq. ID	OJ990527_26.9C10.C30
Gene No.	35336	Strand	+
Start	1	End	883
Name	OJ990527_26.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	883
GI	6498441	Score	816

Exons	1..96, 283..883		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	16736	Seq. ID	OJ990527_26.9C10.C30
Gene No.	35336	Strand	+
Start	1	End	883
Name	OJ990527_26.9C10.C30.o1.tw	Method	TBLASTX:Wheat
Start	1	End	417
GI	none	Score	206
Exons	1..192, 36..209, 265..417, 276..413		
Seq. No.	16736	Seq. ID	OJ990527_26.9C10.C30
Gene No.	35336	Strand	+
Start	1	End	883
Name	OJ990527_26.9C10.C30.o1.gs	Method	GENSCAN
Start	43	End	800
GI	none	Score	.43
Exons	43..800		
Seq. No.	16736	Seq. ID	OJ990527_26.9C10.C30
Gene No.	35336	Strand	+
Start	1	End	883
Name	OJ990527_26.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	91	End	654
GI	5666795	Score	57
Exons	91..189, 280..417, 472..654		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	16737	Seq. ID	OJ990527_26.9C10.C32
Gene No.	35337	Strand	+
Start	1	End	1013
Name	OJ990527_26.9C10.C32.o1.np	Method	AAT/NAP
Start	1	End	998
GI	6850871	Score	523
Exons	1..507, 640..998		
GI Descrip.	(AL132959) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16737	Seq. ID	OJ990527_26.9C10.C32
Gene No.	35337	Strand	+
Start	1	End	1013
Name	OJ990527_26.9C10.C32.o1.gs	Method	GENSCAN
Start	48	End	834
GI	none	Score	.68
Exons	48..834		
Seq. No.	16737	Seq. ID	OJ990527_26.9C10.C32
Gene No.	35337	Strand	+
Start	1	End	1013
Name	OJ990527_26.9C10.C32.o1.ts	Method	TBLASTX:Soybean
Start	148	End	965
GI	none	Score	358
Exons	148..399, 154..396, 161..403, 586..687, 649..786, 837..965		
Seq. No.	16737	Seq. ID	OJ990527_26.9C10.C32
Gene No.	35337	Strand	+

Start	1	End	1013
Name	OJ990527_26.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	327	End	950
GI	none	Score	158
Exons	327..443, 328..444, 404..451, 553..693, 564..668, 688..825, 825..950	408..476, 711..749,	409..477, 410..475, 814..900, 825..950,

Seq. No.	16737	Seq. ID	OJ990527_26.9C10.C32
Gene No.	35337	Strand	+
Start	1	End	1013
Name	OJ990527_26.9C10.C32.o1.tw	Method	TBLASTX:Wheat
Start	819	End	1013
GI	none	Score	241
Exons	819..1013, 828..1013		

Seq. No.	16738	Seq. ID	OJ990527_26.9C10.C33
Gene No.	35338	Strand	+
Start	114	End	646
Name	OJ990527_26.9C10.C33.o1.gs	Method	GENSCAN
Start	114	End	646
GI	none	Score	.68
Exons	114..646		

Seq. No.	16739	Seq. ID	OJ990527_26.9C10.C34
Gene No.	35339	Strand	+
Start	1	End	136
Name	OJ990527_26.9C10.C34.o1.gp	Method	AAT/GAP
Start	1	End	136
GI	12132_1.R1084	Score	226
Exons	1..136		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	16739	Seq. ID	OJ990527_26.9C10.C34
Gene No.	35340	Strand	+
Start	260	End	533
Name	OJ990527_26.9C10.C34.o1.gs	Method	GENSCAN
Start	260	End	533
GI	none	Score	.71
Exons	260..374, 505..533		

Seq. No.	16740	Seq. ID	OJ990527_26.9C10.C35
Gene No.	35341	Strand	+
Start	178	End	220
Name	OJ990527_26.9C10.C35.o1.gs	Method	GENSCAN
Start	178	End	220
GI	none	Score	.87
Exons	178..220		

Seq. No.	16741	Seq. ID	OJ990527_26.9C10.C36
Gene No.	35342	Strand	-
Start	1	End	1488
Name	OJ990527_26.9C10.C36.o1.np	Method	AAT/NAP
Start	1	End	1488
GI	6650526	Score	529
Exons	1..75, 224..508, 602..691, 934..1115, 1251..1488		

GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		
Seq. No.	16741	Seq. ID	OJ990527_26.9C10.C36
Gene No.	35342	Strand	-
Start	1	End	1488
Name	OJ990527_26.9C10.C36.o1.tw	Method	TBLASTX:Wheat
Start	7	End	643
GI	none	Score	54
Exons	7..75, 227..283, 359..511, 602..643		
Seq. No.	16741	Seq. ID	OJ990527_26.9C10.C36
Gene No.	35342	Strand	-
Start	1	End	1488
Name	OJ990527_26.9C10.C36.o1.gs	Method	GENSCAN
Start	361	End	1290
GI	none	Score	.82
Exons	361..508, 602..691, 934..1115, 1251..1290		
Seq. No.	16741	Seq. ID	OJ990527_26.9C10.C36
Gene No.	35342	Strand	-
Start	1	End	1488
Name	OJ990527_26.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	380	End	921
GI	none	Score	61
Exons	380..511, 590..694, 859..921		
Seq. No.	16741	Seq. ID	OJ990527_26.9C10.C36
Gene No.	35342	Strand	-
Start	1	End	1488
Name	OJ990527_26.9C10.C36.o1.gp	Method	AAT/GAP
Start	383	End	1369
GI	uC-osflcyp157c05b1	Score	955
Exons	383..508, 602..691, 934..1115, 1251..1369		
GI Descrip.	'2149018/gb|U70541|OSU70541 5.0e-25 Oryza sativa putative ADP-glucose pyrophosphorylase subunit SH2 and putative NADPH-dependent reductase A1 genes, complete cds'		
Seq. No.	16742	Seq. ID	OJ990527_26.9C10.C37
Gene No.	35343	Strand	-
Start	1	End	290
Name	OJ990527_26.9C10.C37.o1.np	Method	AAT/NAP
Start	1	End	283
GI	6650526	Score	190
Exons	1..283		
GI Descrip.	(AF101045) putative transcription factor X1 [Oryza sativa subsp. japonica]		
Seq. No.	16742	Seq. ID	OJ990527_26.9C10.C37
Gene No.	35343	Strand	-
Start	1	End	290
Name	OJ990527_26.9C10.C37.o1.tc	Method	TBLASTX:Cress
Start	5	End	283
GI	none	Score	70
Exons	5..97, 84..164, 89..283, 90..167		
Seq. No.	16742	Seq. ID	OJ990527_26.9C10.C37

Gene No.	35343	Strand	-
Start	1	End	290
Name	OJ990527_26.9C10.C37.o1.ts	Method	TBLASTX:Soybean
Start	20	End	274
GI	none	Score	178
Exons	20..85, 77..274		

Seq. No.	16742	Seq. ID	OJ990527_26.9C10.C37
Gene No.	35343	Strand	-
Start	1	End	290
Name	OJ990527_26.9C10.C37.o1.gs	Method	GENSCAN
Start	65	End	290
GI	none	Score	.84
Exons	65..290		

Seq. No.	16743	Seq. ID	OJ990527_26.9C10.C38
Gene No.	35344	Strand	-
Start	9	End	156
Name	OJ990527_26.9C10.C38.o1.gs	Method	GENSCAN
Start	9	End	156
GI	none	Score	.45
Exons	9..156		

Seq. No.	16744	Seq. ID	OJ990527_26.9C10.C40
Gene No.	35345	Strand	+
Start	114	End	151
Name	OJ990527_26.9C10.C40.o1.gs	Method	GENSCAN
Start	114	End	151
GI	none	Score	.4
Exons	114..151		

Seq. No.	16745	Seq. ID	OJ990527_26.9C10.C41
Gene No.	35346	Strand	+
Start	1	End	690
Name	OJ990527_26.9C10.C41.o1.np	Method	AAT/NAP
Start	1	End	690
GI	6907089	Score	285
Exons	1..222, 327..690		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16746	Seq. ID	OJ990517_23.9C10.C1
Gene No.	35347	Strand	-
Start	32	End	95
Name	OJ990517_23.9C10.C1.o1.gs	Method	GENSCAN
Start	32	End	95
GI	none	Score	1
Exons	32..95		

Seq. No.	16747	Seq. ID	OJ990517_23.9C10.C2
Gene No.	35348	Strand	+
Start	1	End	694
Name	OJ990517_23.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	694
GI	4884202	Score	81
Exons	1..94, 179..406, 631..694		
GI Descrip.	(AL049953) hypothetical protein [Homo sapiens]		

Seq. No.	16747	Seq. ID	OJ990517_23.9C10.C2
Gene No.	35348	Strand	+
Start	1	End	694
Name	OJ990517_23.9C10.C2.o1.gs	Method	GENSCAN
Start	2	End	427
GI	none	Score	1
Exons	2..427		

Seq. No.	16747	Seq. ID	OJ990517_23.9C10.C2
Gene No.	35348	Strand	+
Start	1	End	694
Name	OJ990517_23.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	5	End	475
GI	none	Score	116
Exons	5..52, 17..112, 92..226, 106..228, 196..465, 227..466, 227..475, 269..388, 396..473		

Seq. No.	16747	Seq. ID	OJ990517_23.9C10.C2
Gene No.	35348	Strand	+
Start	1	End	694
Name	OJ990517_23.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	121	End	466
GI	none	Score	347
Exons	121..465, 122..466, 176..466, 278..397, 302..406		

Seq. No.	16747	Seq. ID	OJ990517_23.9C10.C2
Gene No.	35348	Strand	+
Start	1	End	694
Name	OJ990517_23.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	167	End	468
GI	none	Score	287
Exons	167..466, 295..468		

Seq. No.	16748	Seq. ID	OJ990517_23.9C10.C3
Gene No.	35349	Strand	
Start	40	End	631
Name	OJ990517_23.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	40	End	631
GI	none	Score	101
Exons	40..153, 41..154, 65..373, 152..277, 157..432, 158..442, 227..427, 281..433, 532..621, 536..631, 537..629		

Seq. No.	16748	Seq. ID	OJ990517_23.9C10.C3
Gene No.	35349	Strand	
Start	40	End	631
Name	OJ990517_23.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	137	End	629
GI	none	Score	95
Exons	137..358, 167..427, 539..622, 540..629		

Seq. No.	16749	Seq. ID	OJ990517_23.9C10.C4
Gene No.	35350	Strand	+
Start	1	End	619
Name	OJ990517_23.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	619
GI	4455294	Score	333
Exons	1..619		

GI Descrip. (AL035528) putative protein [Arabidopsis thaliana]

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.gs	Method	GENSCAN
Start	1097	End	8573
GI	none	Score	.93
Exons	1097..5671, 5819..5864, 8307..8400, 8447..8573		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.np	Method	AAT/NAP
Start	1100	End	5674
GI	4680179	Score	6618
Exons	1100..5674		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o8.tm	Method	TBLASTX:Maize
Start	1124	End	1336
GI	none	Score	200
Exons	1124..1336		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o6.tw	Method	TBLASTX:Wheat
Start	1145	End	1478
GI	none	Score	79
Exons	1145..1477, 1341..1478		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	1337	End	1924
GI	none	Score	131
Exons	1337..1606, 1338..1598, 1481..1651, 1667..1765, 1668..1763, 1697..1765, 1763..1924, 1770..1916, 1772..1918		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1478	End	2104
GI	none	Score	349
Exons	1478..2104, 1479..2048		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	1973	End	2265

GI	none	Score	161
Exons	1973..2263, 1977..2162, 1978..2265, 1982..2194, 2074..2265		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	2063	End	2323
GI	none	Score	54
Exons	2063..2131, 2063..2323, 2220..2318		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	2087	End	2413
GI	none	Score	64
Exons	2087..2230, 2088..2165, 2231..2413		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o3.tw	Method	TBLASTX:Wheat
Start	2111	End	2590
GI	none	Score	223
Exons	2111..2590, 2112..2495, 2117..2572		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	2594	End	3103
GI	none	Score	302
Exons	2594..3103, 2595..3071, 2684..3103		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	2678	End	3031
GI	none	Score	133
Exons	2678..3031, 2693..2989, 2853..3029		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	2852	End	3094
GI	none	Score	194
Exons	2852..3094		

Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o5.tm	Method	TBLASTX:Maize
Start	3032	End	3385
GI	none	Score	117

Exons	3032..3385, 3114..3374		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o5.tw	Method	TBLASTX:Wheat
Start	3104	End	3406
GI	none	Score	201
Exons	3104..3406, 3105..3368		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	3119	End	3514
GI	none	Score	126
Exons	3119..3478, 3120..3362, 3337..3471, 3401..3475, 3482..3514, 3482..3514		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	3401	End	3872
GI	none	Score	111
Exons	3401..3868, 3434..3781, 3627..3872		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o4.tw	Method	TBLASTX:Wheat
Start	3455	End	3941
GI	none	Score	310
Exons	3455..3937, 3498..3941		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o4.ts	Method	TBLASTX:Soybean
Start	3587	End	3868
GI	none	Score	183
Exons	3587..3868		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o8.tw	Method	TBLASTX:Wheat
Start	4112	End	4466
GI	none	Score	79
Exons	4112..4465, 4148..4282, 4371..4466		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o6.tm	Method	TBLASTX:Maize
Start	4199	End	4519
GI	none	Score	209

Exons	4199..4519		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o7.tm	Method	TBLASTX:Maize
Start	4865	End	5161
GI	none	Score	100
Exons	4865..5161, 4974..5144		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o7.tw	Method	TBLASTX:Wheat
Start	5042	End	5405
GI	none	Score	82
Exons	5042..5401, 5043..5276, 5301..5405		
Seq. No.	16750	Seq. ID	OJ990517_23.9C10.C5
Gene No.	35351	Strand	-
Start	1097	End	8618
Name	OJ990517_23.9C10.C5.o2.np	Method	AAT/NAP
Start	6682	End	8618
GI	2274845	Score	99
Exons	6682..6714, 8081..8184, 8220..8441, 8502..8618		
GI Descrip.	(D88461) N-WASP [Rattus rattus]		
Seq. No.	16751	Seq. ID	OJ990517_23.9C10.C6
Gene No.	35352	Strand	-
Start	1	End	154
Name	OJ990517_23.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	154
GI	4680179	Score	157
Exons	1..154		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o1.gs	Method	GENSCAN
Start	91	End	4640
GI	none	Score	.52
Exons	91..2181, 2370..2385, 2732..2822, 2914..3771, 3857..4065, 4171..4465, 4542..4640		
Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o1.np	Method	AAT/NAP
Start	1074	End	4712
GI	6815062	Score	2571
Exons	1074..2580, 2752..2822, 2914..3771, 3857..4097, 4156..4465, 4542..4712		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	1116	End	1682
GI	none	Score	137
Exons	1116..1265, 1292..1660, 1293..1682		

Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	1809	End	2087
GI	none	Score	183
Exons	1809..2087, 1865..1990		

Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	3114	End	3618
GI	none	Score	95
Exons	3114..3233, 3115..3249, 3280..3618, 3280..3534, 3309..3614		

Seq. No.	16752	Seq. ID	OJ990517_23.9C10.C7
Gene No.	35353	Strand	+
Start	91	End	4712
Name	OJ990517_23.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	3857	End	4465
GI	none	Score	228
Exons	3857..4066, 3907..4065, 4163..4240, 4280..4465		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35354	Strand	+
Start	51	End	12234
Name	OJ990517_23.9C10.C9.o1.gs	Method	GENSCAN
Start	51	End	12234
GI	none	Score	.41
Exons	51..328, 376..579, 586..700, 891..1031, 2894..2992, 4120..4159, 4189..4365, 5056..5188, 5197..5419, 7312..7355, 8122..8293, 9299..9644, 10326..10611, 10994..11122, 12097..12234		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35355	Strand	+
Start	14948	End	20091
Name	OJ990517_23.9C10.C9.o1.np	Method	AAT/NAP
Start	14948	End	20091
GI	4678197	Score	1775
Exons	14948..15116, 15757..17138, 17166..18038, 18217..18297, 18362..20091		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35355	Strand	+
Start	14948	End	20091
Name	OJ990517_23.9C10.C9.o4.gs	Method	GENSCAN

Start	18835	End	20091
GI	none	Score	.46
Exons	18835..18939, 19124..19244, 19484..20091		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35356	Strand	+
Start	26029	End	33308
Name	OJ990517_23.9C10.C9.o6.gs	Method	GENSCAN
Start	26029	End	33308
GI	none	Score	.75
Exons	26029..26160, 26275..26415, 26424..26933, 27087..27161, 27217..27339, 28105..28202, 28939..29051, 30545..30803, 31146..31398, 33015..33308		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35357	Strand	+
Start	35887	End	36106
Name	OJ990517_23.9C10.C9.o4.gp	Method	AAT/GAP
Start	35887	End	36106
GI	5867_1.R1084	Score	113
Exons	35887..35964, 36080..36106		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674_ ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35358	Strand	+
Start	37573	End	37982
Name	OJ990517_23.9C10.C9.o5.gp	Method	AAT/GAP
Start	37573	End	37982
GI	LIB3432-059-P1-K1-D8	Score	727
Exons	37573..37982		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35359	Strand	-
Start	5170	End	5568
Name	OJ990517_23.9C10.C9.o1.gp	Method	AAT/GAP
Start	5170	End	5568
GI	none	Score	794
Exons	5170..5568		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35360	Strand	-
Start	9214	End	9507
Name	OJ990517_23.9C10.C9.o2.gp	Method	AAT/GAP
Start	9214	End	9507
GI	1632299	Score	466
Exons	9214..9507		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35361	Strand	-

Start	21785	End	26739
Name	OJ990517_23.9C10.C9.o3.gp	Method	AAT/GAP
Start	21539	End	26739
GI	888_1.R1084	Score	1925
Exons	21539..21903, 22318..22451, 22548..22586, 23178..23219, 23335..23434, 23514..23578, 23673..23751, 26479..26739		
GI Descrip.	'6006607/emb|CAB56800.1| 1.0e-133 (AJ011675) MADS box protein, MADS28 [Oryza sativa]'		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35361	Strand	-
Start	21785	End	26739
Name	OJ990517_23.9C10.C9.o5.gs	Method	GENSCAN
Start	21785	End	23750
GI	none	Score	.82
Exons	21785..21932, 22318..22508, 22548..22586, 23178..23219, 23335..23434, 23514..23578, 23673..23750		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35361	Strand	-
Start	21785	End	26739
Name	OJ990517_23.9C10.C9.o2.np	Method	AAT/NAP
Start	21801	End	26663
GI	6006607	Score	1061
Exons	21801..21903, 22318..22451, 22548..22586, 23178..23219, 23335..23434, 23514..23578, 23673..23751, 26479..26663		
GI Descrip.	(AJ011675) MADS box protein, MADS28 [Oryza sativa]		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35362	Strand	-
Start	33514	End	34779
Name	OJ990517_23.9C10.C9.o7.gs	Method	GENSCAN
Start	33514	End	34779
GI	none	Score	.59
Exons	33514..33633, 33824..33962, 34583..34779		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o6.tm	Method	TBLASTX:Maize
Start	15666	End	15970
GI	none	Score	299
Exons	15666..15962, 15674..15970		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o4.tm	Method	TBLASTX:Maize
Start	17040	End	17496
GI	none	Score	95
Exons	17040..17099, 17041..17130, 17145..17378, 17146..17379, 17180..17383, 17257..17382, 17407..17496, 17411..17482, 17416..17496		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329

Name	OJ990517_23.9C10.C9.o3.tw	Method	TBLASTX:Wheat
Start	17404	End	18012
GI	none	Score	287
Exons	17404..17790, 17460..17759, 17789..17833, 17790..17879, 17890..18012		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o7.tm	Method	TBLASTX:Maize
Start	17503	End	18059
GI	none	Score	239
Exons	17503..17832, 17547..17777, 17799..18059, 17854..18027		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o4.ts	Method	TBLASTX:Soybean
Start	17569	End	18027
GI	none	Score	284
Exons	17569..18027, 17643..17870		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o4.tc	Method	TBLASTX:Cress
Start	17584	End	18027
GI	none	Score	189
Exons	17584..17832, 17610..17759, 17854..18027		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o3.ts	Method	TBLASTX:Soybean
Start	18558	End	19056
GI	5509260	Score	292
Exons	18558..18851, 18562..18945, 18897..18944, 18940..19056, 18941..19051		
GI Descrip.	-		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o8.tm	Method	TBLASTX:Maize
Start	18597	End	18918
GI	none	Score	283
Exons	18597..18830, 18598..18918, 18685..18906		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o2.tc	Method	TBLASTX:Cress
Start	18688	End	18946
GI	none	Score	287
Exons	18688..18945, 18702..18938, 18709..18945, 18710..18946		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9

Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o4.tw	Method	TBLASTX:Wheat
Start	18738	End	19249
GI	none	Score	197
Exons	18738..18851, 18739..18945, 18941..19081, 19073..19249		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o10.tm	Method	TBLASTX:Maize
Start	18941	End	19246
GI	none	Score	196
Exons	18941..19246		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o5.tw	Method	TBLASTX:Wheat
Start	19252	End	19665
GI	none	Score	115
Exons	19252..19398, 19419..19550, 19420..19665, 19537..19656		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	19411	End	20073
GI	none	Score	307
Exons	19411..19767, 19432..19647, 19665..19766, 19848..19916, 19849..20073		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	19429	End	20103
GI	none	Score	403
Exons	19429..19791, 19431..19601, 19465..19932, 19490..19933, 19843..20103, 19987..20103		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o9.tm	Method	TBLASTX:Maize
Start	21810	End	23757
GI	none	Score	74
Exons	21810..21878, 21811..21879, 22321..22431, 22324..22404, 22389..22460, 22394..22453, 23176..23220, 23176..23220, 23315..23425, 23323..23436, 23335..23436, 23336..23437, 23513..23575, 23520..23579, 23668..23757, 23672..23749, 23673..23753		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o3.tc	Method	TBLASTX:Cress

Start	23335	End	26664
GI	none	Score	67
Exons	23335..23436, 23336..23425, 23510..23578, 26466..26663, 26482..26664		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o6.tw	Method	TBLASTX:Wheat
Start	23365	End	26669
GI	none	Score	161
Exons	23365..23436, 26487..26663, 26487..26669, 26488..26664		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o5.ts	Method	TBLASTX:Soybean
Start	23513	End	26664
GI	none	Score	199
Exons	23513..23578, 23694..23750, 26487..26663, 26488..26664		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o5.tm	Method	TBLASTX:Maize
Start	26475	End	26664
GI	none	Score	186
Exons	26475..26663, 26475..26663, 26476..26664		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o6.gp	Method	AAT/GAP
Start	38698	End	39081
GI	none	Score	736
Exons	38698..39081		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o8.gs	Method	GENSCAN
Start	38957	End	42329
GI	none	Score	.54
Exons	38957..39301, 39407..39768, 39785..39914, 41559..41926, 42179..42329		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o3.np	Method	AAT/NAP
Start	38966	End	41888
GI	6403494	Score	1530
Exons	38966..39301, 39407..39600, 39656..39914, 41559..41888		
GI Descrip.	(AC010871) putative reversibly glycosylatable polypeptide [Arabidopsis thaliana]		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9

Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	38979	End	41859
GI	none	Score	273
Exons	38979..39311, 38993..39304, 39187..39378, 39404..39577, 39405..39593, 39405..39581, 39612..39914, 39660..39914, 39661..39915, 41544..41855, 41545..41859		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	38987	End	39873
GI	none	Score	298
Exons	38987..39301, 38988..39302, 39188..39304, 39387..39602, 39392..39577, 39393..39578, 39657..39872, 39658..39873, 39659..39871, 39660..39872		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	39008	End	41879
GI	none	Score	94
Exons	39008..39130, 39008..39304, 39018..39302, 39188..39304, 39404..39592, 39405..39581, 39612..39914, 39639..39914, 39661..39915, 41544..41870, 41545..41862, 41724..41879		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	39032	End	39569
GI	none	Score	84
Exons	39032..39136, 39032..39304, 39033..39314, 39036..39302, 39109..39303, 39188..39304, 39404..39568, 39405..39569		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	39876	End	41859
GI	none	Score	317
Exons	39876..39914, 41544..41858, 41545..41859		

Seq. No.	16753	Seq. ID	OJ990517_23.9C10.C9
Gene No.	35363	Strand	-
Start	38698	End	42329
Name	OJ990517_23.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	41565	End	41870
GI	none	Score	292
Exons	41565..41861, 41566..41856, 41718..41870		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740

Name	OJ990517_23.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	740
GI	6498441	Score	971
Exons	1..283, 348..740		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740
Name	OJ990517_23.9C10.C11.o2.tw	Method	TBLASTX:Wheat
Start	1	End	162
GI	none	Score	170
Exons	1..162, 3..158, 4..162		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740
Name	OJ990517_23.9C10.C11.o1.gs	Method	GENSCAN
Start	58	End	721
GI	none	Score	.69
Exons	58..431, 470..721		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740
Name	OJ990517_23.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	314	End	482
GI	none	Score	173
Exons	314..481, 318..482		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740
Name	OJ990517_23.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	356	End	740
GI	none	Score	498
Exons	356..730, 357..740, 357..740		

Seq. No.	16754	Seq. ID	OJ990517_23.9C10.C11
Gene No.	35364	Strand	+
Start	1	End	740
Name	OJ990517_23.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	486	End	734
GI	none	Score	274
Exons	486..734, 521..727		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	2847
GI	2244965	Score	464
Exons	1..33, 62..361, 1165..1270, 1684..1799, 1990..2847		
GI Descrip.	(Z97340) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	86	End	352
GI	none	Score	284
Exons	86..352, 88..315		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o1.gs	Method	GENSCAN
Start	89	End	2880
GI	none	Score	.93
Exons	89..361, 1165..1267, 1681..1799, 1990..2157, 2248..2880		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	89	End	1766
GI	none	Score	311
Exons	89..367, 94..357, 206..361, 1141..1266, 1153..1269, 1671..1766, 1679..1759		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	1704	End	2415
GI	none	Score	102
Exons	1704..1799, 1711..1800, 1711..1800, 1712..1801, 1988..2131, 1993..2157, 1998..2102, 2260..2358, 2262..2360, 2296..2364, 2380..2415		

Seq. No.	16755	Seq. ID	OJ990517_23.9C10.C12
Gene No.	35365	Strand	+
Start	1	End	2880
Name	OJ990517_23.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	2698	End	2853
GI	none	Score	204
Exons	2698..2853, 2698..2826		

Seq. No.	16756	Seq. ID	OJ990517_23.9C10.C13
Gene No.	35366	Strand	+
Start	145	End	208
Name	OJ990517_23.9C10.C13.o1.gs	Method	GENSCAN
Start	145	End	208
GI	none	Score	.9
Exons	145..208		

Seq. No.	16757	Seq. ID	OJ990517_23.9C10.C14
Gene No.	35367	Strand	+
Start	809	End	2084
Name	OJ990517_23.9C10.C14.o1.np	Method	AAT/NAP
Start	809	End	2084
GI	6907086	Score	1067

Exons	809..1562, 1619..1875, 1948..2084		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	16757	Seq. ID	OJ990517_23.9C10.C14
Gene No.	35367	Strand	+
Start	809	End	2084
Name	OJ990517_23.9C10.C14.o1.gs	Method	GENSCAN
Start	1012	End	1545
GI	none	Score	.97
Exons	1012..1545		
Seq. No.	16758	Seq. ID	OJ990517_23.9C10.C15
Gene No.	35368	Strand	+
Start	1	End	284
Name	OJ990517_23.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	284
GI	6907086	Score	111
Exons	1..284		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	16759	Seq. ID	OJ990517_23.9C10.C17
Gene No.	35369	Strand	-
Start	363	End	401
Name	OJ990517_23.9C10.C17.o1.gs	Method	GENSCAN
Start	363	End	401
GI	none	Score	.81
Exons	363..401		
Seq. No.	16760	Seq. ID	OJ990517_23.9C10.C19
Gene No.	35370	Strand	+
Start	1371	End	1538
Name	OJ990517_23.9C10.C19.o1.np	Method	AAT/NAP
Start	1371	End	1538
GI	5734621	Score	83
Exons	1371..1538		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		
Seq. No.	16761	Seq. ID	OJ990517_23.9C10.C21
Gene No.	35371	Strand	-
Start	554	End	687
Name	OJ990517_23.9C10.C21.o1.gs	Method	GENSCAN
Start	554	End	687
GI	none	Score	.42
Exons	554..687		
Seq. No.	16762	Seq. ID	OJ990517_23.9C10.C22
Gene No.	35372	Strand	+
Start	142	End	249
Name	OJ990517_23.9C10.C22.o1.gs	Method	GENSCAN
Start	142	End	249
GI	none	Score	.74
Exons	142..249		
Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-

Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	392	End	928
GI	none	Score	83
Exons	392..928, 396..542, 567..602		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o2.tm	Method	TBLASTX:Maize
Start	395	End	616
GI	none	Score	147
Exons	395..616, 396..602		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o2.ts	Method	TBLASTX:Soybean
Start	395	End	610
GI	none	Score	114
Exons	395..610, 396..602		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.np	Method	AAT/NAP
Start	398	End	2747
GI	4455294	Score	2264
Exons	398..2747		
GI Descrip.	(AL035528) putative protein [Arabidopsis thaliana]		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.ts	Method	TBLASTX:Soybean
Start	620	End	1153
GI	none	Score	114
Exons	620..1153, 621..1124		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	677	End	2740
GI	none	Score	67
Exons	677..1528, 681..896, 1038..1400, 1202..1543, 1427..1831, 1461..1682, 1505..1864, 1506..1730, 1541..1711, 1730..1867, 1748..1933, 1815..1997, 1832..2230, 1832..2134, 1892..2134, 1946..2032, 2033..2437, 2102..2431, 2135..2305, 2315..2740, 2336..2740, 2358..2708, 2418..2612, 2438..2611		

Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.gs	Method	GENSCAN
Start	950	End	2545
GI	none	Score	.93

Exons	950..2545		
Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o2.tc	Method	TBLASTX:Cress
Start	977	End	2569
GI	none	Score	87
Exons	977..1099, 977..1342, 999..1361, 1440..1646, 1442..1645, 1760..1960, 2090..2254, 2366..2569		
Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o1.tw	Method	TBLASTX:Wheat
Start	1091	End	2740
GI	none	Score	92
Exons	1091..1420, 1094..1564, 1152..1529, 1160..1270, 1451..1867, 1784..2173, 2087..2482, 2352..2483, 2390..2740, 2418..2585		
Seq. No.	16763	Seq. ID	OJ990517_23.9C10.C23
Gene No.	35373	Strand	-
Start	398	End	2747
Name	OJ990517_23.9C10.C23.o3.ts	Method	TBLASTX:Soybean
Start	1160	End	2743
GI	none	Score	108
Exons	1160..1306, 1190..1609, 1248..1562, 1493..1849, 1796..2215, 1845..1997, 2099..2518, 2402..2743		
Seq. No.	16764	Seq. ID	OJ990517_23.9C10.C24
Gene No.	35374	Strand	-
Start	914	End	1757
Name	OJ990517_23.9C10.C24.o1.tm	Method	TBLASTX:Maize
Start	867	End	1757
GI	none	Score	134
Exons	867..1001, 912..1013, 917..1012, 1230..1346, 1231..1350, 1247..1354, 1461..1511, 1638..1757, 1639..1755, 1647..1757		
Seq. No.	16764	Seq. ID	OJ990517_23.9C10.C24
Gene No.	35374	Strand	-
Start	914	End	1757
Name	OJ990517_23.9C10.C24.o1.np	Method	AAT/NAP
Start	914	End	1757
GI	3738285	Score	299
Exons	914..998, 1231..1352, 1455..1549, 1640..1757		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		
Seq. No.	16765	Seq. ID	OJ990517_23.9C10.C25
Gene No.	35375	Strand	-
Start	1	End	1438
Name	OJ990517_23.9C10.C25.o1.gp	Method	AAT/GAP
Start	1	End	1137
GI	2905_1.R1084	Score	610
Exons	1..216, 1013..1137		
GI Descrip.	'3738285 2.0e-28 (AC005309) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16765	Seq. ID	OJ990517_23.9C10.C25
Gene No.	35375	Strand	-
Start	1	End	1438
Name	OJ990517_23.9C10.C25.o1.tm	Method	TBLASTX:Maize
Start	95	End	1138
GI	none	Score	68
Exons	95..214, 132..215, 137..214, 141..218, 145..219, 978..1124, 1012..1137, 1016..1138		

Seq. No.	16765	Seq. ID	OJ990517_23.9C10.C25
Gene No.	35375	Strand	-
Start	1	End	1438
Name	OJ990517_23.9C10.C25.o1.np	Method	AAT/NAP
Start	132	End	1438
GI	3738285	Score	215
Exons	132..216, 1013..1138, 1399..1438		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	16766	Seq. ID	OJ990517_23.9C10.C26
Gene No.	35376	Strand	+
Start	870	End	954
Name	OJ990517_23.9C10.C26.o1.np	Method	AAT/NAP
Start	870	End	954
GI	6630699	Score	76
Exons	870..954		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16766	Seq. ID	OJ990517_23.9C10.C26
Gene No.	35377	Strand	+
Start	963	End	3776
Name	OJ990517_23.9C10.C26.o1.gs	Method	GENSCAN
Start	963	End	1190
GI	none	Score	.9
Exons	963..1008, 1123..1190		

Seq. No.	16766	Seq. ID	OJ990517_23.9C10.C26
Gene No.	35377	Strand	+
Start	963	End	3776
Name	OJ990517_23.9C10.C26.o2.np	Method	AAT/NAP
Start	1090	End	3776
GI	6539570	Score	139
Exons	1090..1305, 1477..1522, 3745..3776		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16766	Seq. ID	OJ990517_23.9C10.C26
Gene No.	35378	Strand	-
Start	3869	End	6546
Name	OJ990517_23.9C10.C26.o2.gs	Method	GENSCAN
Start	3869	End	6546
GI	none	Score	.93
Exons	3869..3884, 6329..6546		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447

Name	OJ990517_23.9C10.C30.o1.np	Method	AAT/NAP
Start	62	End	837
GI	6520161	Score	549
Exons	62..837		
GI Descrip.	(AB028198) ZF14 [Arabidopsis thaliana]		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447
Name	OJ990517_23.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	70	End	714
GI	none	Score	137
Exons	70..318, 72..308, 391..714		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447
Name	OJ990517_23.9C10.C30.o1.tc	Method	TBLASTX:Cress
Start	75	End	750
GI	none	Score	337
Exons	75..344, 76..750, 504..641		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447
Name	OJ990517_23.9C10.C30.o1.tw	Method	TBLASTX:Wheat
Start	75	End	318
GI	none	Score	182
Exons	75..305, 94..318		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447
Name	OJ990517_23.9C10.C30.o1.ts	Method	TBLASTX:Soybean
Start	79	End	657
GI	none	Score	223
Exons	79..318, 105..299, 283..657, 396..653		

Seq. No.	16767	Seq. ID	OJ990517_23.9C10.C30
Gene No.	35379	Strand	+
Start	62	End	2447
Name	OJ990517_23.9C10.C30.o1.gs	Method	GENSCAN
Start	151	End	2447
GI	none	Score	.7
Exons	151..789, 1354..1483, 2296..2447		

Seq. No.	16768	Seq. ID	OJ990517_23.9C10.C31
Gene No.	35380	Strand	-
Start	1960	End	2267
Name	OJ990517_23.9C10.C31.o1.gs	Method	GENSCAN
Start	1960	End	2267
GI	none	Score	.76
Exons	1960..2094, 2202..2267		

Seq. No.	16769	Seq. ID	OJ990517_23.9C10.C32
Gene No.	35381	Strand	+
Start	838	End	966

Name	OJ990517_23.9C10.C32.o1.gp	Method	AAT/GAP
Start	838	End	966
GI	LIB3431-004-P1-K1-G12	Score	87
Exons	838..891, 940..966		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	16770	Seq. ID	OJ990517_23.9C10.C34
Gene No.	35382	Strand	-
Start	1087	End	2331
Name	OJ990517_23.9C10.C34.o1.gs	Method	GENSCAN
Start	1087	End	2149
GI	none	Score	.99
Exons	1087..1953, 2078..2149		

Seq. No.	16770	Seq. ID	OJ990517_23.9C10.C34
Gene No.	35382	Strand	-
Start	1087	End	2331
Name	OJ990517_23.9C10.C34.o1.gp	Method	AAT/GAP
Start	1793	End	2331
GI	none	Score	548
Exons	1793..1953, 2078..2149, 2259..2331		

Seq. No.	16771	Seq. ID	OJ990517_23.9C10.C35
Gene No.	35383	Strand	+
Start	119	End	349
Name	OJ990517_23.9C10.C35.o1.gs	Method	GENSCAN
Start	119	End	349
GI	none	Score	.5
Exons	119..349		

Seq. No.	16772	Seq. ID	OJ990517_23.9C10.C36
Gene No.	35384	Strand	-
Start	224	End	281
Name	OJ990517_23.9C10.C36.o1.gs	Method	GENSCAN
Start	224	End	281
GI	none	Score	.98
Exons	224..281		

Seq. No.	16772	Seq. ID	OJ990517_23.9C10.C36
Gene No.	35385	Strand	-
Start	1096	End	2270
Name	OJ990517_23.9C10.C36.o2.gs	Method	GENSCAN
Start	1096	End	2270
GI	none	Score	.77
Exons	1096..1195, 1656..2029, 2040..2157, 2200..2270		

Seq. No.	16772	Seq. ID	OJ990517_23.9C10.C36
Gene No.	35386	Strand	-
Start	2673	End	3118
Name	OJ990517_23.9C10.C36.o3.gs	Method	GENSCAN
Start	2673	End	3118
GI	none	Score	.83
Exons	2673..2785, 3070..3118		

Seq. No.	16773	Seq. ID	OJ990517_23.9C10.C39
Gene No.	35387	Strand	+

Start	1	End	4615
Name	OJ990517_23.9C10.C39.o1.np	Method	AAT/NAP
Start	1	End	4615
GI	5295955	Score	350
Exons	1..40, 2220..2346, 3091..3143, 3293..3516, 3636..3775, 3985..4615		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16773	Seq. ID	OJ990517_23.9C10.C39
Gene No.	35388	Strand	-
Start	1543	End	1654
Name	OJ990517_23.9C10.C39.o1.gp	Method	AAT/GAP
Start	1543	End	1654
GI	uC-osflcyp088b12b1	Score	158
Exons	1543..1654		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35389	Strand	+
Start	810	End	3132
Name	OJ990517_23.9C10.C40.o1.gs	Method	GENSCAN
Start	810	End	3132
GI	none	Score	.57
Exons	810..896, 1150..1220, 1466..1566, 1585..1976, 2941..3132		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35390	Strand	+
Start	4744	End	6375
Name	OJ990517_23.9C10.C40.o2.np	Method	AAT/NAP
Start	4744	End	6372
GI	4406767	Score	491
Exons	4744..4794, 5437..6372		
GI Descrip.	(AC006836) putative steroid sulfotransferase [Arabidopsis thaliana]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35390	Strand	+
Start	4744	End	6375
Name	OJ990517_23.9C10.C40.o2.gp	Method	AAT/GAP
Start	5313	End	5559
GI	2311051	Score	430
Exons	5313..5559		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35390	Strand	+
Start	4744	End	6375
Name	OJ990517_23.9C10.C40.o2.gs	Method	GENSCAN
Start	5344	End	6375
GI	none	Score	1
Exons	5344..6375		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35391	Strand	+
Start	18373	End	25335
Name	OJ990517_23.9C10.C40.o4.np	Method	AAT/NAP

Start	18373	End	21452
GI	6063554	Score	400
Exons	18373..18691, 18801..18997, 20615..20643, 21279..21452		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35391	Strand	+
Start	18373	End	25335
Name	OJ990517_23.9C10.C40.o3.gp	Method	AAT/GAP
Start	20109	End	20845
GI	101153_1.R1084	Score	392
Exons	20109..20133, 20603..20845		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35391	Strand	+
Start	18373	End	25335
Name	OJ990517_23.9C10.C40.o5.np	Method	AAT/NAP
Start	21051	End	24277
GI	5852093	Score	46
Exons	21051..21089, 22431..22538, 24258..24277		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35391	Strand	+
Start	18373	End	25335
Name	OJ990517_23.9C10.C40.o5.gp	Method	AAT/GAP
Start	21821	End	22095
GI	61605_1.R1084	Score	485
Exons	21821..22095		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35391	Strand	+
Start	18373	End	25335
Name	OJ990517_23.9C10.C40.o6.np	Method	AAT/NAP
Start	24121	End	25335
GI	6907088	Score	549
Exons	24121..24258, 24435..24672, 25306..25335		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35392	Strand	-
Start	1	End	1357
Name	OJ990517_23.9C10.C40.o1.np	Method	AAT/NAP
Start	1	End	1357
GI	5922623	Score	215
Exons	1..118, 480..555, 723..875, 1273..1357		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40

Gene No.	35393	Strand	-
Start	7857	End	10098
Name	OJ990517_23.9C10.C40.o3.gs	Method	GENSCAN
Start	7857	End	10098
GI	none	Score	.44
Exons	7857..8113, 8153..8341, 8576..8757, 9902..10098		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35394	Strand	-
Start	14438	End	19762
Name	OJ990517_23.9C10.C40.o3.np	Method	AAT/NAP
Start	14438	End	19346
GI	6539553	Score	4821
Exons	14438..17248, 19309..19346		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35394	Strand	-
Start	14438	End	19762
Name	OJ990517_23.9C10.C40.o5.gs	Method	GENSCAN
Start	18775	End	19762
GI	none	Score	.99
Exons	18775..19312, 19341..19762		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o2.tm	Method	TBLASTX:Maize
Start	5359	End	6058
GI	none	Score	54
Exons	5359..5391, 5430..5480, 5431..5481, 5470..5667, 5484..5618, 5533..5625, 5867..5941, 5981..6058		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o1.tc	Method	TBLASTX:Cress
Start	5497	End	6216
GI	none	Score	119
Exons	5497..5649, 5665..5721, 5752..5820, 5848..5961, 5968..6072, 6088..6216		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o5.tw	Method	TBLASTX:Wheat
Start	5823	End	5982
GI	none	Score	177
Exons	5823..5981, 5824..5982		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o2.tw	Method	TBLASTX:Wheat

Start	14574	End	15050
GI	none	Score	347
Exons	14574..14960, 14575..14958, 14612..14959, 14653..14961, 14975..15049, 14979..15050		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o4.ts	Method	TBLASTX:Soybean
Start	14702	End	15043
GI	none	Score	83
Exons	14702..14911, 14781..14906, 14930..15043, 14937..15017		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o3.tm	Method	TBLASTX:Maize
Start	14906	End	15245
GI	none	Score	200
Exons	14906..15244, 14907..15245		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o2.ts	Method	TBLASTX:Soybean
Start	15056	End	15401
GI	none	Score	124
Exons	15056..15400, 15201..15401		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o3.tw	Method	TBLASTX:Wheat
Start	15254	End	15799
GI	none	Score	319
Exons	15254..15460, 15455..15799		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o1.tm	Method	TBLASTX:Maize
Start	15335	End	15800
GI	none	Score	55
Exons	15335..15799, 15438..15548, 15482..15664, 15618..15800		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o1.ts	Method	TBLASTX:Soybean
Start	15470	End	15934
GI	5509260	Score	58
Exons	15470..15934, 15489..15548, 15621..15716, 15765..15833		
GI Descrip.	-		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057

Name	OJ990517_23.9C10.C40.o2.tc	Method	TBLASTX:Cress
Start	15581	End	15841
GI	none	Score	62
Exons	15581..15841, 15762..15839		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o1.tw	Method	TBLASTX:Wheat
Start	15854	End	16609
GI	none	Score	200
Exons	15854..16093, 15855..16013, 15871..16101, 15874..16071, 16122..16424, 16133..16600, 16145..16609		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o3.ts	Method	TBLASTX:Soybean
Start	16259	End	16657
GI	none	Score	38
Exons	16259..16432, 16386..16424, 16433..16657, 16536..16649		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o4.tm	Method	TBLASTX:Maize
Start	16445	End	16879
GI	none	Score	82
Exons	16445..16879, 16518..16670		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o4.tw	Method	TBLASTX:Wheat
Start	16610	End	16801
GI	none	Score	186
Exons	16610..16801, 16610..16801		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o5.ts	Method	TBLASTX:Soybean
Start	16667	End	17053
GI	none	Score	88
Exons	16667..16915, 16898..17053		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-
Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o5.tm	Method	TBLASTX:Maize
Start	16997	End	17245
GI	none	Score	44
Exons	16997..17059, 17016..17060, 17023..17067, 17071..17214, 17075..17215, 17075..17245, 17082..17243		

Seq. No.	16774	Seq. ID	OJ990517_23.9C10.C40
Gene No.	35395	Strand	-

Start	23567	End	24057
Name	OJ990517_23.9C10.C40.o7.gs	Method	GENSCAN
Start	23567	End	24057
GI	none	Score	.86
Exons	23567..23640, 24048..24057		

Seq. No.	16775	Seq. ID	OJ990517_23.9C10.C43
Gene No.	35396	Strand	-
Start	234	End	359
Name	OJ990517_23.9C10.C43.o1.tm	Method	TBLASTX:Maize
Start	215	End	356
GI	none	Score	131
Exons	215..352, 215..352, 222..356		

Seq. No.	16775	Seq. ID	OJ990517_23.9C10.C43
Gene No.	35396	Strand	-
Start	234	End	359
Name	OJ990517_23.9C10.C43.o1.gs	Method	GENSCAN
Start	234	End	359
GI	none	Score	.74
Exons	234..359		

Seq. No.	16776	Seq. ID	OJ990517_23.9C10.C44
Gene No.	35397	Strand	+
Start	405	End	573
Name	OJ990517_23.9C10.C44.o1.gs	Method	GENSCAN
Start	405	End	573
GI	none	Score	.76
Exons	405..573		

Seq. No.	16777	Seq. ID	OJ990517_23.9C10.C46
Gene No.	35398	Strand	-
Start	1	End	344
Name	OJ990517_23.9C10.C46.o1.np	Method	AAT/NAP
Start	1	End	304
GI	3738285	Score	112
Exons	1..27, 118..304		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	16777	Seq. ID	OJ990517_23.9C10.C46
Gene No.	35398	Strand	-
Start	1	End	344
Name	OJ990517_23.9C10.C46.o1.tm	Method	TBLASTX:Maize
Start	1	End	344
GI	none	Score	54
Exons	1..30, 1..27, 116..196, 117..197, 209..325, 210..344		

Seq. No.	16777	Seq. ID	OJ990517_23.9C10.C46
Gene No.	35398	Strand	-
Start	1	End	344
Name	OJ990517_23.9C10.C46.o1.tw	Method	TBLASTX:Wheat
Start	74	End	304
GI	none	Score	127
Exons	74..160, 116..196, 117..197, 191..304, 206..277, 210..293		

Seq. No.	16777	Seq. ID	OJ990517_23.9C10.C46
Gene No.	35398	Strand	-

Start	1	End	344
Name	OJ990517_23.9C10.C46.o1.gs	Method	GENSCAN
Start	118	End	328
GI	none	Score	.93
Exons	118..328		

Seq. No.	16778	Seq. ID	OJ990517_23.9C10.C47
Gene No.	35399	Strand	-
Start	1	End	407
Name	OJ990517_23.9C10.C47.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6523547	Score	73
Exons	1..407		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	16778	Seq. ID	OJ990517_23.9C10.C47
Gene No.	35399	Strand	-
Start	1	End	407
Name	OJ990517_23.9C10.C47.o1.gs	Method	GENSCAN
Start	228	End	350
GI	none	Score	.4
Exons	228..350		

Seq. No.	16779	Seq. ID	OJ990517_23.9C10.C49
Gene No.	35400	Strand	+
Start	262	End	457
Name	OJ990517_23.9C10.C49.o1.gs	Method	GENSCAN
Start	262	End	457
GI	none	Score	.91
Exons	262..457		

Seq. No.	16779	Seq. ID	OJ990517_23.9C10.C49
Gene No.	35401	Strand	+
Start	885	End	953
Name	OJ990517_23.9C10.C49.o1.gp	Method	AAT/GAP
Start	885	End	953
GI	none	Score	95
Exons	885..953		

Seq. No.	16780	Seq. ID	OJ990517_23.9C10.C50
Gene No.	35402	Strand	-
Start	1399	End	1961
Name	OJ990517_23.9C10.C50.o1.gs	Method	GENSCAN
Start	1399	End	1961
GI	none	Score	.61
Exons	1399..1545, 1814..1961		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.gp	Method	AAT/GAP
Start	360	End	1963
GI	none	Score	1393
Exons	360..694, 1475..1963		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51

Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.np	Method	AAT/NAP
Start	805	End	4658
GI	4680207	Score	887
Exons	805..956, 1459..2296, 2325..3355, 3856..4658		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.gs	Method	GENSCAN
Start	1488	End	4658
GI	none	Score	.48
Exons	1488..2268, 2414..3439, 3856..4658		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.ts	Method	TBLASTX:Soybean
Start	2187	End	3411
GI	none	Score	85
Exons	2187..2297, 2344..2451, 2713..2787, 2818..2886, 2896..3222, 3065..3244, 3223..3300, 3316..3411, 3317..3397		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.tm	Method	TBLASTX:Maize
Start	2707	End	3284
GI	none	Score	54
Exons	2707..2790, 2809..2877, 2815..2868, 2905..3051, 2909..3055, 3118..3201, 3125..3232, 3243..3284		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o2.gp	Method	AAT/GAP
Start	2793	End	3315
GI	27741_1.R1084	Score	933
Exons	2793..3315		
GI Descrip.	'4680207/gb|AAD27570.1|AF114171_11 7.0e-43 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o1.tw	Method	TBLASTX:Wheat
Start	2912	End	3202
GI	none	Score	117
Exons	2912..3121, 2914..3120, 3124..3201, 3125..3202		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o2.tm	Method	TBLASTX:Maize

Start	4146	End	4628
GI	none	Score	44
Exons	4146..4253, 4167..4220, 4235..4303, 4236..4370, 4237..4314, 4365..4628, 4368..4628		

Seq. No.	16781	Seq. ID	OJ990517_23.9C10.C51
Gene No.	35403	Strand	-
Start	360	End	4664
Name	OJ990517_23.9C10.C51.o2.tw	Method	TBLASTX:Wheat
Start	4422	End	4664
GI	none	Score	89
Exons	4422..4658, 4423..4647, 4425..4664		

Seq. No.	16782	Seq. ID	OJ990517_23.9C10.C53
Gene No.	35404	Strand	+
Start	95	End	3375
Name	OJ990517_23.9C10.C53.o1.gs	Method	GENSCAN
Start	95	End	3375
GI	none	Score	.56
Exons	95..284, 428..506, 631..735, 1719..2068, 2274..2393, 3203..3274, 3317..3375		

Seq. No.	16782	Seq. ID	OJ990517_23.9C10.C53
Gene No.	35405	Strand	-
Start	4823	End	4937
Name	OJ990517_23.9C10.C53.o1.tm	Method	TBLASTX:Maize
Start	3689	End	4354
GI	none	Score	93
Exons	3689..3787, 3692..3748, 3694..3786, 3700..3804, 3778..3828, 3804..3866, 3804..3866, 3808..3867, 3808..3867, 3941..3973, 3949..3969, 3959..4009, 3965..4015, 3966..4022, 4258..4353, 4274..4354		

Seq. No.	16782	Seq. ID	OJ990517_23.9C10.C53
Gene No.	35405	Strand	-
Start	4823	End	4937
Name	OJ990517_23.9C10.C53.o2.gs	Method	GENSCAN
Start	4823	End	4937
GI	none	Score	.58
Exons	4823..4937		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o2.tm	Method	TBLASTX:Maize
Start	586	End	924
GI	none	Score	223
Exons	586..822, 614..787, 615..821, 813..923, 820..924		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.gs	Method	GENSCAN
Start	597	End	2146
GI	none	Score	.42
Exons	597..631, 683..885, 927..1424, 1525..1723, 1964..2146		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.np	Method	AAT/NAP
Start	600	End	2569
GI	3236254	Score	878
Exons	600..853, 881..1424, 1525..1722, 2475..2569		
GI Descrip.	(AC004684) unknown protein [Arabidopsis thaliana]		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.tc	Method	TBLASTX:Cress
Start	789	End	1099
GI	none	Score	104
Exons	789..923, 811..924, 908..1099, 912..1088		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.gp	Method	AAT/GAP
Start	794	End	1215
GI	LIB3433-017-Q6-K1-C6	Score	800
Exons	794..1215		
GI Descrip.	'3236254 1.0e-29 (AC004684) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.ts	Method	TBLASTX:Soybean
Start	1082	End	1324
GI	none	Score	77
Exons	1082..1324, 1083..1217, 1088..1261		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o1.tm	Method	TBLASTX:Maize
Start	1100	End	1565
GI	none	Score	197
Exons	1100..1423, 1100..1426, 1356..1427, 1524..1565, 1530..1565		

Seq. No.	16783	Seq. ID	OJ990517_23.9C10.C54
Gene No.	35406	Strand	-
Start	597	End	2569
Name	OJ990517_23.9C10.C54.o3.tm	Method	TBLASTX:Maize
Start	1566	End	1722
GI	none	Score	134
Exons	1566..1721, 1569..1721, 1570..1722		

Seq. No.	16784	Seq. ID	OJ990517_23.9C10.C55
Gene No.	35407	Strand	-
Start	189	End	256
Name	OJ990517_23.9C10.C55.o1.gs	Method	GENSCAN
Start	189	End	256
GI	none	Score	.54

Exons	189..256		
Seq. No.	16785	Seq. ID	OJ990517_23.9C10.C56
Gene No.	35408	Strand	+
Start	92	End	334
Name	OJ990517_23.9C10.C56.o1.gs	Method	GENSCAN
Start	92	End	334
GI	none	Score	.71
Exons	92..179, 198..334		
Seq. No.	16786	Seq. ID	OJ990517_23.9C10.C57
Gene No.	35409	Strand	-
Start	17	End	77
Name	OJ990517_23.9C10.C57.o1.gs	Method	GENSCAN
Start	17	End	77
GI	none	Score	.42
Exons	17..77		
Seq. No.	16787	Seq. ID	OJ990517_23.9C10.C58
Gene No.	35410	Strand	+
Start	549	End	858
Name	OJ990517_23.9C10.C58.o1.gs	Method	GENSCAN
Start	549	End	858
GI	none	Score	.91
Exons	549..584, 692..858		
Seq. No.	16788	Seq. ID	OJ990517_23.9C10.C59
Gene No.	35411	Strand	+
Start	1059	End	1184
Name	OJ990517_23.9C10.C59.o1.gs	Method	GENSCAN
Start	1059	End	1184
GI	none	Score	.79
Exons	1059..1184		
Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o2.ts	Method	TBLASTX:Soybean
Start	263	End	830
GI	none	Score	273
Exons	263..484, 274..483, 636..830, 644..790		
Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o1.gs	Method	GENSCAN
Start	269	End	3702
GI	none	Score	.8
Exons	269..481, 645..1029, 1156..1246, 1355..1439, 1544..1727, 2271..2464, 2629..2719, 2846..3040, 3579..3702		
Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o1.tm	Method	TBLASTX:Maize
Start	636	End	2437
GI	none	Score	182

Exons	636..758, 639..752, 644..760, 752..847, 753..848, 755..853, 756..872, 851..1024, 903..1025, 1161..1247, 1164..1247, 1327..1440, 1329..1454, 1329..1430, 1352..1441, 1531..1716, 1538..1717, 1542..1739, 2194..2436, 2195..2437		

Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o1.gp	Method	AAT/GAP
Start	767	End	1399
GI	428626	Score	754
Exons	767..1029, 1156..1246, 1355..1399		

Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o1.ts	Method	TBLASTX:Soybean
Start	900	End	2365
GI	none	Score	123
Exons	900..1025, 1152..1247, 1172..1246, 1332..1460, 1352..1447, 1531..1713, 1538..1732, 2198..2272, 2206..2271, 2324..2365, 2332..2361		

Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o2.tm	Method	TBLASTX:Maize
Start	2628	End	3016
GI	none	Score	143
Exons	2628..2720, 2629..2724, 2839..2943, 2844..2942, 2944..3015, 2945..3016		

Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o3.ts	Method	TBLASTX:Soybean
Start	2629	End	2974
GI	none	Score	95
Exons	2629..2721, 2824..2943, 2844..2942, 2944..2970, 2945..2974		

Seq. No.	16789	Seq. ID	OJ990517_23.9C10.C60
Gene No.	35412	Strand	+
Start	269	End	3702
Name	OJ990517_23.9C10.C60.o1.tc	Method	TBLASTX:Cress
Start	2662	End	3013
GI	none	Score	77
Exons	2662..2724, 2667..2720, 2836..2943, 2844..2936, 2947..2982, 2948..3013		

Seq. No.	16790	Seq. ID	OJ990517_23.9C10.C61
Gene No.	35413	Strand	-
Start	154	End	334
Name	OJ990517_23.9C10.C61.o1.gs	Method	GENSCAN
Start	154	End	334
GI	none	Score	.55
Exons	154..334		

Seq. No.	16791	Seq. ID	OJ990517_23.9C10.C62
Gene No.	35414	Strand	-
Start	1	End	691
Name	OJ990517_23.9C10.C62.o1.np	Method	AAT/NAP
Start	1	End	691
GI	6721517	Score	506
Exons	1..691		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16791	Seq. ID	OJ990517_23.9C10.C62
Gene No.	35414	Strand	-
Start	1	End	691
Name	OJ990517_23.9C10.C62.o1.tw	Method	TBLASTX:Wheat
Start	323	End	548
GI	none	Score	130
Exons	323..544, 348..548		

Seq. No.	16791	Seq. ID	OJ990517_23.9C10.C62
Gene No.	35414	Strand	-
Start	1	End	691
Name	OJ990517_23.9C10.C62.o1.gs	Method	GENSCAN
Start	379	End	682
GI	none	Score	.44
Exons	379..682		

Seq. No.	16792	Seq. ID	OJ990517_23.9C10.C63
Gene No.	35415	Strand	-
Start	1	End	977
Name	OJ990517_23.9C10.C63.o1.np	Method	AAT/NAP
Start	1	End	923
GI	4680207	Score	487
Exons	1..923		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	16792	Seq. ID	OJ990517_23.9C10.C63
Gene No.	35415	Strand	-
Start	1	End	977
Name	OJ990517_23.9C10.C63.o1.tm	Method	TBLASTX:Maize
Start	273	End	850
GI	none	Score	54
Exons	273..356, 366..443, 381..434, 471..617, 475..621, 684..767, 691..798, 809..850		

Seq. No.	16792	Seq. ID	OJ990517_23.9C10.C63
Gene No.	35415	Strand	-
Start	1	End	977
Name	OJ990517_23.9C10.C63.o1.ts	Method	TBLASTX:Soybean
Start	279	End	977
GI	none	Score	85
Exons	279..353, 375..452, 462..788, 631..810, 789..866, 882..977, 883..963		

Seq. No.	16792	Seq. ID	OJ990517_23.9C10.C63
Gene No.	35415	Strand	-
Start	1	End	977
Name	OJ990517_23.9C10.C63.o1.gp	Method	AAT/GAP

Start	356	End	881
GI	27741_1.R1084	Score	944
Exons	356..881		
GI Descrip.	'4680207/gb|AAD27570.1|AF114171_11 7.0e-43 (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]'		

Seq. No.	16792	Seq. ID	OJ990517_23.9C10.C63
Gene No.	35415	Strand	-
Start	1	End	977
Name	OJ990517_23.9C10.C63.o1.tw	Method	TBLASTX:Wheat
Start	478	End	768
GI	none	Score	118
Exons	478..687, 480..686, 690..767, 691..768		

Seq. No.	16793	Seq. ID	OJ990517_23.9C10.C64
Gene No.	35416	Strand	-
Start	202	End	632
Name	OJ990517_23.9C10.C64.o1.tm	Method	TBLASTX:Maize
Start	2	End	426
GI	none	Score	75
Exons	2..52, 3..50, 110..166, 121..156, 163..291, 164..409, 201..425, 370..426		

Seq. No.	16793	Seq. ID	OJ990517_23.9C10.C64
Gene No.	35416	Strand	-
Start	202	End	632
Name	OJ990517_23.9C10.C64.o1.gp	Method	AAT/GAP
Start	202	End	632
GI	none	Score	846
Exons	202..632		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35417	Strand	+
Start	2581	End	10263
Name	OJ990527_23.9C10.C1.o1.gs	Method	GENSCAN
Start	2581	End	10263
GI	none	Score	.68
Exons	2581..2680, 3571..3692, 4164..4341, 4369..4494, 4633..4680, 4694..4855, 5516..5754, 6157..6203, 6343..6382, 6490..6690, 6980..7192, 7431..7560, 7820..8007, 8295..8498, 8545..8835, 9748..10263		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35417	Strand	+
Start	2581	End	10263
Name	OJ990527_23.9C10.C1.o1.gp	Method	AAT/GAP
Start	5339	End	7330
GI	6239_1.R1084	Score	1359
Exons	5339..5483, 5606..5716, 6157..6203, 6343..6382, 6490..6690, 6980..7192, 7281..7330		
GI Descrip.	'2688822 4.0e-31 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]'		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35417	Strand	+
Start	2581	End	10263
Name	OJ990527_23.9C10.C1.o1.np	Method	AAT/NAP

Start	6122	End	8818
GI	4539423	Score	1450
Exons	6122..6213, 6298..6382, 6490..6694, 6940..7192, 7281..7349, 7431..7560, 7654..7694, 7783..8007, 8295..8498, 8621..8818		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35417	Strand	+
Start	2581	End	10263
Name	OJ990527_23.9C10.C1.o2.gp	Method	AAT/GAP
Start	7509	End	7980
GI	568982	Score	519
Exons	7509..7560, 7654..7694, 7783..7980		
GI Descrip.	2688822 4.0e-31 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35417	Strand	+
Start	2581	End	10263
Name	OJ990527_23.9C10.C1.o3.gp	Method	AAT/GAP
Start	8390	End	9103
GI	1142_1.R1084	Score	1156
Exons	8390..8498, 8621..9103		
GI Descrip.	'2688822 4.0e-25 (U93272) pyrophosphate-dependent phosphofructo-1-kinase [Prunus armeniaca]'		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35418	Strand	+
Start	20229	End	22797
Name	OJ990527_23.9C10.C1.o4.gs	Method	GENSCAN
Start	20229	End	22797
GI	none	Score	.55
Exons	20229..20269, 20644..20731, 21296..21406, 21647..21878, 21893..22091, 22749..22797		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35419	Strand	-
Start	9703	End	16700
Name	OJ990527_23.9C10.C1.o4.gp	Method	AAT/GAP
Start	9703	End	10941
GI	70192_1.R1084	Score	1313
Exons	9703..10132, 10258..10330, 10650..10767, 10853..10941		
GI Descrip.	'3643610 6.0e-60 (AC005395) putative serine/threonine protein kinase [Arabidopsis thaliana]'		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35419	Strand	-
Start	9703	End	16700
Name	OJ990527_23.9C10.C1.o2.np	Method	AAT/NAP
Start	10034	End	12716
GI	3643610	Score	1073
Exons	10034..10132, 10258..10330, 10650..10767, 10853..10949, 11070..11165, 11256..11351, 11445..11591, 12597..12716		
GI Descrip.	(AC005395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1

Gene No.	35419	Strand	-
Start	9703	End	16700
Name	OJ990527_23.9C10.C1.o2.gs	Method	GENSCAN
Start	10521	End	16700
GI	none	Score	.67
Exons	10521..10548, 10650..10767, 10853..10949, 11070..11165, 11256..11388, 11461..11591, 12679..12707, 13302..13492, 13514..13698, 14675..14803, 15855..15943, 16556..16700		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35419	Strand	-
Start	9703	End	16700
Name	OJ990527_23.9C10.C1.o5.gp	Method	AAT/GAP
Start	11253	End	13413
GI	23269_1.R1084	Score	779
Exons	11253..11351, 11445..11591, 12597..12707, 13302..13413		
GI Descrip.	'4883605/gb|AAD31574.1|AC006922_6 7.0e-23 (AC006922) putative transcription factor [Arabidopsis thaliana]'		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35420	Strand	-
Start	17843	End	18813
Name	OJ990527_23.9C10.C1.o3.gs	Method	GENSCAN
Start	17843	End	18813
GI	none	Score	.85
Exons	17843..18371, 18448..18577, 18678..18813		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35420	Strand	-
Start	17843	End	18813
Name	OJ990527_23.9C10.C1.o6.gp	Method	AAT/GAP
Start	18135	End	18578
GI	2427551	Score	625
Exons	18135..18371, 18448..18578		
GI Descrip.	4883605/gb|AAD31574.1|AC006922_6 7.0e-23 (AC006922) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35420	Strand	-
Start	17843	End	18813
Name	OJ990527_23.9C10.C1.o3.np	Method	AAT/NAP
Start	18283	End	18813
GI	3941448	Score	404
Exons	18283..18371, 18448..18577, 18678..18813		
GI Descrip.	(AF062878) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	5642	End	8009
GI	none	Score	108
Exons	5642..5716, 6142..6204, 6331..6393, 6332..6394, 6487..6690, 6492..6689, 6926..7204, 6979..7176, 6993..7229, 7066..7227, 7260..7349, 7275..7355, 7280..7351, 7429..7560, 7431..7562, 7431..7562, 7439..7564, 7649..7702, 7650..7700, 7663..7701, 7745..7990, 7756..7989, 7782..8009, 7783..8007		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o2.tc	Method	TBLASTX:Cress
Start	5642	End	6690
GI	none	Score	101
Exons	5642..5716, 6142..6204, 6147..6203, 6323..6394, 6331..6381, 6487..6690, 6489..6689		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	6499	End	8710
GI	none	Score	116
Exons	6499..6582, 6501..6575, 6597..6686, 6598..6690, 6598..6690, 6950..7192, 6977..7174, 6982..7206, 6982..7176, 7257..7349, 7275..7355, 7431..7562, 7434..7559, 7649..7702, 7650..7700, 7748..7990, 7773..7991, 7783..8007, 8307..8447, 8324..8446, 8450..8497, 8451..8498, 8620..8703, 8621..8710, 8639..8707		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o3.tc	Method	TBLASTX:Cress
Start	6926	End	7328
GI	none	Score	322
Exons	6926..7204, 6979..7179, 7068..7193, 7269..7325, 7275..7328		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o1.tw	Method	TBLASTX:Wheat
Start	7298	End	7953
GI	none	Score	90
Exons	7298..7351, 7299..7355, 7299..7352, 7431..7535, 7431..7529, 7520..7561, 7649..7702, 7650..7700, 7654..7701, 7773..7952, 7782..7952, 7783..7953, 7783..7953		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o5.tc	Method	TBLASTX:Cress
Start	7413	End	7892
GI	none	Score	177
Exons	7413..7562, 7430..7561, 7649..7702, 7650..7700, 7782..7886, 7782..7892, 7783..7890		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o4.ts	Method	TBLASTX:Soybean
Start	8289	End	8710
GI	none	Score	297
Exons	8289..8510, 8294..8494, 8623..8703, 8624..8710		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o3.tw	Method	TBLASTX:Wheat
Start	8413	End	8710
GI	none	Score	76
Exons	8413..8496, 8414..8509, 8415..8498, 8620..8703, 8621..8710		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o4.tm	Method	TBLASTX:Maize
Start	10001	End	10760
GI	none	Score	144
Exons	10001..10021, 10025..10135, 10029..10151, 10255..10332, 10262..10333, 10288..10335, 10636..10755, 10638..10760, 10649..10759		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o2.ts	Method	TBLASTX:Soybean
Start	10679	End	12704
GI	none	Score	102
Exons	10679..10768, 10680..10769, 10854..10952, 10854..10952, 10855..10956, 11068..11160, 11070..11165, 11077..11160, 11255..11317, 11256..11354, 11257..11349, 11441..11590, 11445..11615, 11450..11614, 12592..12678, 12600..12704		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	10873	End	12735
GI	none	Score	114
Exons	10873..10950, 10875..10952, 11070..11165, 11071..11163, 11239..11352, 11256..11354, 11257..11355, 11425..11592, 11439..11615, 11441..11593, 11445..11615, 12588..12698, 12591..12707, 12592..12735		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o4.tc	Method	TBLASTX:Cress
Start	11280	End	12684
GI	none	Score	56
Exons	11280..11354, 11284..11346, 11444..11596, 11445..11615, 11447..11563, 12592..12684, 12597..12683		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	18290	End	18816
GI	none	Score	65
Exons	18290..18382, 18300..18371, 18447..18581, 18676..18816, 18677..18814		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o3.ts	Method	TBLASTX:Soybean
Start	18290	End	18814
GI	none	Score	76
Exons	18290..18382, 18297..18374, 18439..18525, 18447..18578, 18676..18813, 18677..18814		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	18290	End	18814
GI	none	Score	84
Exons	18290..18382, 18300..18374, 18415..18525, 18447..18581, 18682..18813, 18683..18814		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o2.tw	Method	TBLASTX:Wheat
Start	18299	End	18814
GI	none	Score	88
Exons	18299..18382, 18300..18374, 18447..18581, 18676..18813, 18677..18814		

Seq. No.	16794	Seq. ID	OJ990527_23.9C10.C1
Gene No.	35421	Strand	-
Start	23452	End	26011
Name	OJ990527_23.9C10.C1.o5.gs	Method	GENSCAN
Start	23452	End	26011
GI	none	Score	.66
Exons	23452..23618, 24295..24407, 24557..24815, 25003..25182, 25351..25498, 25838..26011		

Seq. No.	16795	Seq. ID	OJ990527_23.9C10.C2
Gene No.	35422	Strand	-
Start	1260	End	1955
Name	OJ990527_23.9C10.C2.o1.gs	Method	GENSCAN
Start	1260	End	1955
GI	none	Score	.58
Exons	1260..1479, 1481..1587, 1782..1955		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35423	Strand	+
Start	181	End	1202
Name	OJ990527_23.9C10.C3.o1.gs	Method	GENSCAN
Start	181	End	1202
GI	none	Score	.55
Exons	181..254, 1144..1202		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35424	Strand	+
Start	2076	End	8172
Name	OJ990527_23.9C10.C3.o1.np	Method	AAT/NAP

Start	2076	End	8136
GI	5922631	Score	6649
Exons	2076..2200, 2459..2703, 2953..3155, 3201..3772, 3815..3966, 4093..5016, 5609..8136		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35424	Strand	+
Start	2076	End	8172
Name	OJ990527_23.9C10.C3.o2.gs	Method	GENSCAN
Start	2076	End	8172
GI	none	Score	.87
Exons	2076..5008, 5105..5378, 5461..6082, 6233..8172		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35425	Strand	+
Start	18696	End	19004
Name	OJ990527_23.9C10.C3.o1.gp	Method	AAT/GAP
Start	18696	End	19004
GI	none	Score	526
Exons	18696..19004		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35426	Strand	-
Start	8489	End	16285
Name	OJ990527_23.9C10.C3.o3.gs	Method	GENSCAN
Start	8489	End	16285
GI	none	Score	.5
Exons	8489..8937, 9010..9114, 9186..9299, 9438..9638, 9713..10310, 10529..11454, 11939..11967, 16182..16285		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35426	Strand	-
Start	8489	End	16285
Name	OJ990527_23.9C10.C3.o2.np	Method	AAT/NAP
Start	8492	End	11413
GI	6691716	Score	2378
Exons	8492..8937, 9010..9114, 9264..9375, 9451..9645, 9822..10071, 10153..10327, 10525..11413		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35427	Strand	-
Start	18303	End	19258
Name	OJ990527_23.9C10.C3.o4.gs	Method	GENSCAN
Start	18303	End	19063
GI	none	Score	.45
Exons	18303..18387, 18418..18664, 18991..19063		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35427	Strand	-
Start	18303	End	19258
Name	OJ990527_23.9C10.C3.o2.gp	Method	AAT/GAP
Start	18872	End	19258
GI	uC-osflcyp177b01b1	Score	589
Exons	18872..19258		
GI Descrip.	'4191791 3.0e-29 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]'		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o8.tw	Method	TBLASTX:Wheat
Start	3377	End	3779
GI	none	Score	272
Exons	3377..3646, 3378..3779		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o7.tw	Method	TBLASTX:Wheat
Start	4356	End	4813
GI	none	Score	149
Exons	4356..4532, 4577..4813, 4581..4811		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	4664	End	4856
GI	none	Score	184
Exons	4664..4810, 4665..4856		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	5033	End	5462
GI	none	Score	470
Exons	5033..5446, 5034..5462, 5061..5462		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	5073	End	5438
GI	none	Score	139
Exons	5073..5297, 5304..5438		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	5163	End	5505
GI	none	Score	309
Exons	5163..5447, 5204..5431, 5436..5495, 5461..5505		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o12.tw	Method	TBLASTX:Wheat
Start	5464	End	5589
GI	none	Score	177
Exons	5464..5589, 5469..5588		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	5590	End	6014
GI	none	Score	442
Exons	5590..6000, 5634..6014		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	5668	End	6069
GI	none	Score	305
Exons	5668..6069, 5685..5828, 5865..5996		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	5736	End	6180
GI	none	Score	275
Exons	5736..5990, 5737..5991, 5761..5991, 5983..6156, 6012..6143, 6154..6180		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o9.tw	Method	TBLASTX:Wheat
Start	6018	End	6304
GI	none	Score	271
Exons	6018..6095, 6019..6300, 6028..6303, 6206..6304		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	6295	End	6683
GI	none	Score	86
Exons	6295..6399, 6303..6683, 6439..6681		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	6304	End	6726
GI	none	Score	414
Exons	6304..6726, 6312..6716		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	6556	End	6810
GI	none	Score	193
Exons	6556..6810		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o11.tw	Method	TBLASTX:Wheat
Start	6742	End	7041
GI	none	Score	130
Exons	6742..6876, 6901..7041		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	7015	End	7401
GI	none	Score	437
Exons	7015..7362, 7038..7349, 7047..7373, 7353..7400, 7354..7401		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	7044	End	7431
GI	none	Score	420
Exons	7044..7355, 7045..7431, 7240..7431		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	7503	End	7776
GI	none	Score	89
Exons	7503..7610, 7504..7602, 7593..7667, 7597..7680, 7690..7776		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o5.tw	Method	TBLASTX:Wheat
Start	7546	End	8160
GI	none	Score	276
Exons	7546..7824, 7566..7655, 7701..7808, 7879..8037, 8023..8160		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	7888	End	8123
GI	none	Score	152
Exons	7888..8040, 8019..8123, 8020..8121		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o10.tw	Method	TBLASTX:Wheat
Start	11003	End	11293
GI	none	Score	221
Exons	11003..11293		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	19428	End	20655
GI	none	Score	56
Exons	19428..19475, 19429..19497, 19480..19569, 19482..19598, 19575..19646, 19627..19656, 19632..19658, 19686..19718, 19771..19866, 19776..19823, 19777..19860, 19822..19860, 19855..19941, 19856..19942, 19956..19997, 19956..20027, 19957..20022, 20013..20363, 20025..20066, 20029..20364, 20433..20495, 20439..20495, 20523..20606, 20533..20655		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	19431	End	20363
GI	none	Score	390
Exons	19431..19589, 19974..20006, 20043..20363, 20044..20361		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o5.gs	Method	GENSCAN
Start	19431	End	20588
GI	none	Score	.57
Exons	19431..20588		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o3.np	Method	AAT/NAP
Start	19434	End	20610
GI	3687237	Score	733
Exons	19434..19898, 19967..20610		
GI Descrip.	(AC005169) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o6.tw	Method	TBLASTX:Wheat
Start	20007	End	20363
GI	none	Score	36
Exons	20007..20039, 20013..20204, 20059..20205, 20211..20363, 20215..20361, 20292..20363		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3

Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	20049	End	20364
GI	none	Score	325
Exons	20049..20363, 20050..20364		

Seq. No.	16796	Seq. ID	OJ990527_23.9C10.C3
Gene No.	35428	Strand	-
Start	19431	End	20694
Name	OJ990527_23.9C10.C3.o3.gp	Method	AAT/GAP
Start	20370	End	20694
GI	3061151	Score	576
Exons	20370..20694		

Seq. No.	16797	Seq. ID	OJ990527_23.9C10.C4
Gene No.	35429	Strand	+
Start	2130	End	3145
Name	OJ990527_23.9C10.C4.o1.gs	Method	GENSCAN
Start	2130	End	3145
GI	none	Score	.53
Exons	2130..2312, 2605..2706, 3083..3145		

Seq. No.	16797	Seq. ID	OJ990527_23.9C10.C4
Gene No.	35430	Strand	-
Start	3283	End	3615
Name	OJ990527_23.9C10.C4.o2.gs	Method	GENSCAN
Start	3283	End	3615
GI	none	Score	.66
Exons	3283..3359, 3528..3615		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35431	Strand	+
Start	21	End	3301
Name	OJ990527_23.9C10.C5.o1.gs	Method	GENSCAN
Start	21	End	3301
GI	none	Score	.57
Exons	21..77, 382..531, 561..749, 831..939, 3141..3183, 3277..3301		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35432	Strand	+
Start	9278	End	9950
Name	OJ990527_23.9C10.C5.o3.gs	Method	GENSCAN
Start	9278	End	9950
GI	none	Score	.61
Exons	9278..9612, 9630..9756, 9780..9950		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35433	Strand	+
Start	33394	End	35727
Name	OJ990527_23.9C10.C5.o8.gs	Method	GENSCAN
Start	33394	End	35727
GI	none	Score	.56
Exons	33394..33478, 33878..33967, 35600..35727		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35434	Strand	+

Start	37787	End	41546
Name	OJ990527_23.9C10.C5.o9.gs	Method	GENSCAN
Start	37787	End	41546
GI	none	Score	.59
Exons	37787..37854, 40471..40553, 41152..41546		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35435	Strand	-
Start	13566	End	15114
Name	OJ990527_23.9C10.C5.o4.gs	Method	GENSCAN
Start	13566	End	15103
GI	none	Score	.91
Exons	13566..13934, 14127..14244, 14748..15103		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35435	Strand	-
Start	13566	End	15114
Name	OJ990527_23.9C10.C5.o1.np	Method	AAT/NAP
Start	14069	End	15114
GI	2062176	Score	340
Exons	14069..14276, 14748..15021, 15052..15114		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	14063	End	14264
GI	none	Score	94
Exons	14063..14263, 14066..14254, 14121..14264		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	14063	End	15114
GI	none	Score	119
Exons	14063..14263, 14066..14263, 15061..15114		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	14063	End	14803
GI	none	Score	162
Exons	14063..14263, 14121..14264, 14732..14803, 14746..14802		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o3.tc	Method	TBLASTX:Cress
Start	14066	End	14264
GI	none	Score	125
Exons	14066..14263, 14066..14263, 14121..14264		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5

Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o6.gs	Method	GENSCAN
Start	19943	End	26923
GI	none	Score	.6
Exons	19943..20037, 20803..21055, 21084..21601, 21607..21795, 21921..22097, 23544..23595, 24404..24619, 24722..24857, 24947..25002, 25109..25165, 25414..25523, 25588..25831, 25929..26026, 26123..26222, 26864..26923		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o1.gp	Method	AAT/GAP
Start	24044	End	24832
GI	3762465	Score	1219
Exons	24044..24619, 24722..24832		
GI Descrip.	4191791 3.0e-29 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	24383	End	26225
GI	none	Score	230
Exons	24383..24622, 24411..24620, 24719..24904, 24720..24899, 24935..24994, 24949..24999, 25110..25166, 25112..25174, 25252..25332, 25257..25343, 25405..25512, 25412..25513, 25585..25653, 25589..25639, 25742..25834, 25926..26024, 25936..26040, 26124..26225, 26125..26223		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	24396	End	24649
GI	none	Score	317
Exons	24396..24620, 24396..24620, 24398..24649, 24442..24633		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	24398	End	24608
GI	none	Score	63
Exons	24398..24589, 24404..24607, 24417..24608		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o2.np	Method	AAT/NAP
Start	24401	End	26923
GI	4191791	Score	1001
Exons	24401..24619, 24722..24857, 24947..25002, 25109..25165, 25254..25331, 25414..25500, 25588..25648, 25743..25831, 25929..26026, 26123..26222, 26864..26923		

GI Descrip. (AC005917) putative SF21 protein {Helianthus annuus} [Arabidopsis thaliana]

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	24725	End	26225
GI	none	Score	110
Exons	24725..24904, 24726..24857, 24938..24991, 25110..25166, 25112..25174, 25217..25333, 25257..25343, 25411..25512, 25412..25513, 25583..25648, 25588..25653, 25589..25648, 25742..25834, 25745..25828, 25759..25851, 25941..26024, 25951..26025, 25951..26040, 26124..26225, 26125..26223		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	25260	End	26225
GI	none	Score	57
Exons	25260..25334, 25261..25323, 25403..25519, 25405..25512, 25585..25653, 25589..25645, 25733..25828, 25742..25834, 25926..26024, 25936..26040, 26124..26225, 26125..26223		

Seq. No.	16798	Seq. ID	OJ990527_23.9C10.C5
Gene No.	35436	Strand	-
Start	19943	End	26981
Name	OJ990527_23.9C10.C5.o2.gp	Method	AAT/GAP
Start	25622	End	26981
GI	82020_1.R1084	Score	604
Exons	25622..25648, 25743..25831, 25929..26026, 26123..26222, 26864..26981		

GI Descrip. '4191791 3.0e-31 (AC005917) putative sf21 {Helianthus annuus} protein [Arabidopsis thaliana]'

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35437	Strand	-
Start	1550	End	3274
Name	OJ990527_23.9C10.C6.o1.gs	Method	GENSCAN
Start	1550	End	3160
GI	none	Score	.97
Exons	1550..2447, 2548..2708, 2834..3160		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35437	Strand	-
Start	1550	End	3274
Name	OJ990527_23.9C10.C6.o1.np	Method	AAT/NAP
Start	1553	End	3160
GI	3288564	Score	2319
Exons	1553..2447, 2548..2708, 2834..3160		

GI Descrip. (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35437	Strand	-
Start	1550	End	3274

Name	OJ990527_23.9C10.C6.o1.gp	Method	AAT/GAP
Start	2319	End	2723
GI	4881122	Score	554
Exons	2319..2447, 2548..2723		
GI Descrip.	3288564/emb|CAA65776| 8.0e-43 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35437	Strand	-
Start	1550	End	3274
Name	OJ990527_23.9C10.C6.o2.gp	Method	AAT/GAP
Start	3025	End	3274
GI	65275_2.R1084	Score	451
Exons	3025..3274		
GI Descrip.	'3288564/emb|CAA65776| 1.0e-14 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	1601	End	3109
GI	none	Score	114
Exons	1601..1753, 1605..1721, 1802..2116, 1920..2015, 2076..2102, 2135..2446, 2184..2297, 2364..2447, 2536..2709, 2547..2711, 2834..2887, 2927..3109, 2964..3080		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	1605	End	3109
GI	none	Score	85
Exons	1605..1718, 1607..1753, 1802..2104, 1809..2012, 2135..2446, 2175..2297, 2382..2444, 2547..2708, 2548..2709, 2837..2887, 2927..3109, 2976..3098		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	1607	End	1874
GI	none	Score	92
Exons	1607..1723, 1607..1753, 1802..1873, 1809..1874		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	1907	End	2642
GI	none	Score	64
Exons	1907..2110, 2135..2446, 2181..2294, 2364..2444, 2536..2640, 2547..2642		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289

Name	OJ990527_23.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	2366	End	2887
GI	none	Score	146
Exons	2366..2446, 2547..2711, 2548..2712, 2650..2748, 2834..2887, 2850..2867		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	2927	End	3109
GI	none	Score	85
Exons	2927..3109, 2967..3098		

Seq. No.	16799	Seq. ID	OJ990527_23.9C10.C6
Gene No.	35438	Strand	-
Start	3806	End	4289
Name	OJ990527_23.9C10.C6.o2.gs	Method	GENSCAN
Start	3806	End	4289
GI	none	Score	.87
Exons	3806..3849, 4211..4289		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7
Gene No.	35439	Strand	-
Start	441	End	686
Name	OJ990527_23.9C10.C7.o1.np	Method	AAT/NAP
Start	441	End	686
GI	82231	Score	416
Exons	441..686		
GI Descrip.	hypothetical protein 82 - common tobacco chloroplast gi|225200|prf||1211235AE ORF 82 [Nicotiana tabacum]		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7
Gene No.	35440	Strand	-
Start	6291	End	8625
Name	OJ990527_23.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	139	End	256
GI	none	Score	190
Exons	139..255, 140..256		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7
Gene No.	35440	Strand	-
Start	6291	End	8625
Name	OJ990527_23.9C10.C7.o1.tc	Method	TBLASTX:Cress
Start	429	End	713
GI	none	Score	321
Exons	429..680, 432..713		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7
Gene No.	35440	Strand	-
Start	6291	End	8625
Name	OJ990527_23.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	438	End	686
GI	none	Score	401
Exons	438..686, 440..685		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7

Gene No.	35440	Strand	-
Start	6291	End	8625
Name	OJ990527_23.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	451	End	569
GI	none	Score	133
Exons	451..567, 453..569, 459..569		

Seq. No.	16800	Seq. ID	OJ990527_23.9C10.C7
Gene No.	35440	Strand	-
Start	6291	End	8625
Name	OJ990527_23.9C10.C7.o2.gs	Method	GENSCAN
Start	6291	End	8625
GI	none	Score	.65
Exons	6291..6863, 8413..8450, 8538..8625		

Seq. No.	16801	Seq. ID	OJ990527_23.9C10.C8
Gene No.	35441	Strand	+
Start	63	End	283
Name	OJ990527_23.9C10.C8.o1.gs	Method	GENSCAN
Start	63	End	283
GI	none	Score	.49
Exons	63..233, 256..283		

Seq. No.	16801	Seq. ID	OJ990527_23.9C10.C8
Gene No.	35442	Strand	+
Start	1434	End	3766
Name	OJ990527_23.9C10.C8.o2.gs	Method	GENSCAN
Start	1434	End	2656
GI	none	Score	.93
Exons	1434..2291, 2351..2656		

Seq. No.	16801	Seq. ID	OJ990527_23.9C10.C8
Gene No.	35442	Strand	+
Start	1434	End	3766
Name	OJ990527_23.9C10.C8.o1.gp	Method	AAT/GAP
Start	2495	End	3766
GI	2564_1.R1084	Score	2381
Exons	2495..2542, 2579..3766		
GI Descrip.	'3288564/emb|CAA65776| 8.0e-43 (X97066) 1-aminocyclopropane-1-carboxylic acid synthase [Oryza sativa]'		

Seq. No.	16801	Seq. ID	OJ990527_23.9C10.C8
Gene No.	35443	Strand	-
Start	3218	End	5084
Name	OJ990527_23.9C10.C8.o3.gs	Method	GENSCAN
Start	3218	End	5084
GI	none	Score	.41
Exons	3218..3913, 4644..5084		

Seq. No.	16801	Seq. ID	OJ990527_23.9C10.C8
Gene No.	35443	Strand	-
Start	3218	End	5084
Name	OJ990527_23.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	3707	End	4070
GI	none	Score	194
Exons	3707..4069, 3723..4070		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35444	Strand	+
Start	6229	End	11820
Name	OJ990527_23.9C10.C9.o2.gs	Method	GENSCAN
Start	6229	End	11820
GI	none	Score	.47
Exons	6229..6295, 6333..6580, 6603..6920, 7617..7767, 7911..8196, 8476..8532, 8609..8738, 9696..9818, 9944..10039, 10135..10197, 10477..10554, 11086..11254, 11437..11820		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35445	Strand	-
Start	1800	End	8400
Name	OJ990527_23.9C10.C9.o1.gp	Method	AAT/GAP
Start	1111	End	2108
GI	LIB3474-002-P1-K1-H9	Score	842
Exons	1111..1263, 1724..1907, 2005..2108		
GI Descrip.	'2632987/emb|CAB12493| 5.0e-10 (Z99107) alternate gene name: yerS; similar to RNA methyltransferase [Bacillus subtilis]'		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35445	Strand	-
Start	1800	End	8400
Name	OJ990527_23.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	1778	End	2416
GI	none	Score	115
Exons	1778..1906, 1779..1907, 1788..1940, 1963..2136, 2003..2149, 2003..2137, 2005..2139, 2257..2415, 2259..2414, 2261..2416, 2267..2416		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35445	Strand	-
Start	1800	End	8400
Name	OJ990527_23.9C10.C9.o1.gs	Method	GENSCAN
Start	1800	End	5308
GI	none	Score	.9
Exons	1800..1907, 2005..2153, 2260..2426, 2591..2706, 2867..3022, 3211..3319, 3794..3903, 4448..4633, 4718..5308		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35445	Strand	-
Start	1800	End	8400
Name	OJ990527_23.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	2901	End	4853
GI	none	Score	183
Exons	2901..3023, 2901..3014, 2902..3018, 3204..3320, 3208..3321, 3209..3322, 3791..3904, 3793..3906, 4445..4534, 4446..4523, 4448..4546, 4591..4632, 4592..4636, 4599..4634, 4669..4815, 4701..4820, 4709..4852, 4719..4853		

Seq. No.	16802	Seq. ID	OJ990527_23.9C10.C9
Gene No.	35445	Strand	-
Start	1800	End	8400
Name	OJ990527_23.9C10.C9.o1.np	Method	AAT/NAP
Start	4823	End	8400
GI	6523547	Score	356
Exons	4823..5048, 5123..5430, 6255..6307, 8026..8400		

GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		
Seq. No.	16803	Seq. ID	OJ990527_23.9C10.C10
Gene No.	35446	Strand	+
Start	491	End	550
Name	OJ990527_23.9C10.C10.o1.np	Method	AAT/NAP
Start	491	End	550
GI	2498930	Score	53
Exons	491..550		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	16804	Seq. ID	OJ990527_23.9C10.C13
Gene No.	35448	Strand	-
Start	681	End	702
Name	OJ990527_23.9C10.C13.o1.gs	Method	GENSCAN
Start	681	End	702
GI	none	Score	.74
Exons	681..702		
Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.gp	Method	AAT/GAP
Start	403	End	1365
GI	211_2.R1084	Score	1148
Exons	403..753, 840..1008, 1195..1365		
GI Descrip.	'3915826/sp|P49625|RL5_ORYSA 3.0e-77 60S RIBOSOMAL PROTEIN L5'		
Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	480	End	1336
GI	none	Score	49
Exons	480..551, 646..756, 669..770, 670..756, 836..985, 838..963, 980..1009, 1195..1335, 1196..1336		
Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	496	End	1345
GI	none	Score	47
Exons	496..549, 525..548, 565..585, 669..755, 670..756, 681..770, 836..979, 838..963, 982..1014, 1195..1335, 1196..1336, 1196..1345		
Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.np	Method	AAT/NAP
Start	639	End	1365
GI	3915826	Score	580
Exons	639..753, 840..1008, 1195..1365		
GI Descrip.	60S RIBOSOMAL PROTEIN L5		

Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.gs	Method	GENSCAN
Start	667	End	1323
GI	none	Score	.92
Exons	667..753, 967..1008, 1195..1323		

Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	675	End	1336
GI	none	Score	65
Exons	675..761, 676..756, 827..979, 834..980, 838..1029, 1192..1335, 1199..1336		

Seq. No.	16805	Seq. ID	OJ990527_23.9C10.C14
Gene No.	35449	Strand	-
Start	667	End	1365
Name	OJ990527_23.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	711	End	1345
GI	none	Score	93
Exons	711..755, 807..971, 836..985, 1192..1335, 1193..1330, 1196..1345		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.gp	Method	AAT/GAP
Start	246	End	641
GI	3161_1.R1084	Score	769
Exons	246..641		
GI Descrip.	'1236961 6.0e-30 (U50201) prunasin hydrolase precursor [Prunus serotina]'		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.np	Method	AAT/NAP
Start	397	End	641
GI	1236961	Score	208
Exons	397..641		
GI Descrip.	(U50201) prunasin hydrolase precursor [Prunus serotina]		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.gs	Method	GENSCAN
Start	441	End	578
GI	none	Score	.83
Exons	441..578		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.tc	Method	TBLASTX:Cress

Start	465	End	639
GI	none	Score	138
Exons	465..638, 493..639		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	471	End	641
GI	none	Score	181
Exons	471..638, 471..641, 475..639		

Seq. No.	16806	Seq. ID	OJ990527_23.9C10.C15
Gene No.	35450	Strand	-
Start	246	End	641
Name	OJ990527_23.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	471	End	641
GI	none	Score	244
Exons	471..641, 475..639		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+
Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.gp	Method	AAT/GAP
Start	1	End	306
GI	24131_1.R1084	Score	399
Exons	1..153, 243..306		
GI Descrip.	'2281090 6.0e-58 (AC002333) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+
Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	306
GI	6503010	Score	247
Exons	1..153, 243..306		
GI Descrip.	(AF174427) formin-like protein AHF1 [Arabidopsis thaliana]		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+
Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	1	End	305
GI	none	Score	56
Exons	1..45, 2..55, 34..159, 45..173, 46..153, 240..305		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+
Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.ts	Method	TBLASTX:Soybean
Start	1	End	152
GI	none	Score	60
Exons	1..45, 2..46, 10..150, 48..152, 49..150		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+

Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	305
GI	none	Score	67
Exons	1..72, 2..55, 43..159, 45..173, 46..153, 240..305, 244..294		

Seq. No.	16807	Seq. ID	OJ990527_23.9C10.C16
Gene No.	35451	Strand	+
Start	1	End	306
Name	OJ990527_23.9C10.C16.o1.gs	Method	GENSCAN
Start	88	End	153
GI	none	Score	.85
Exons	88..153		

Seq. No.	16808	Seq. ID	OJ990527_23.9C10.C21
Gene No.	35452	Strand	-
Start	715	End	926
Name	OJ990527_23.9C10.C21.o1.gs	Method	GENSCAN
Start	715	End	926
GI	none	Score	.54
Exons	715..795, 864..926		

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o3.tm	Method	TBLASTX:Maize
Start	90	End	417
GI	none	Score	73
Exons	90..191, 91..192, 91..186, 143..187, 234..278, 240..407, 241..270, 242..307, 253..417, 275..415, 283..417		

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o1.np	Method	AAT/NAP
Start	236	End	1068
GI	6957728	Score	666
Exons	236..1068		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o1.gs	Method	GENSCAN
Start	247	End	934
GI	none	Score	.99
Exons	247..934		

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o1.ts	Method	TBLASTX:Soybean
Start	326	End	723
GI	none	Score	111
Exons	326..628, 328..627, 502..723		

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22

Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o1.tc	Method	TBLASTX:Cress
Start	361	End	846
GI	none	Score	110
Exons	361..531, 397..669, 403..519,	433..780, 472..624, 571..846	

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o1.tm	Method	TBLASTX:Maize
Start	418	End	687
GI	none	Score	59
Exons	418..453, 418..687, 423..650,	505..684	

Seq. No.	16809	Seq. ID	OJ990527_23.9C10.C22
Gene No.	35453	Strand	-
Start	247	End	1068
Name	OJ990527_23.9C10.C22.o2.tm	Method	TBLASTX:Maize
Start	733	End	1009
GI	none	Score	121
Exons	733..1008, 766..888, 766..888, 767..892, 770..1009, 770..1009, 801..893		

Seq. No.	16810	Seq. ID	OJ990527_23.9C10.C23
Gene No.	35454	Strand	-
Start	118	End	342
Name	OJ990527_23.9C10.C23.o1.tm	Method	TBLASTX:Maize
Start	117	End	342
GI	none	Score	199
Exons	117..191, 178..339, 190..342		

Seq. No.	16810	Seq. ID	OJ990527_23.9C10.C23
Gene No.	35454	Strand	-
Start	118	End	342
Name	OJ990527_23.9C10.C23.o1.gs	Method	GENSCAN
Start	118	End	339
GI	none	Score	.95
Exons	118..339		

Seq. No.	16810	Seq. ID	OJ990527_23.9C10.C23
Gene No.	35454	Strand	-
Start	118	End	342
Name	OJ990527_23.9C10.C23.o1.tc	Method	TBLASTX:Cress
Start	168	End	340
GI	none	Score	136
Exons	168..338, 190..339, 212..340		

Seq. No.	16811	Seq. ID	OJ990527_23.9C10.C26
Gene No.	35455	Strand	-
Start	1	End	274
Name	OJ990527_23.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	274
GI	4539677	Score	104
Exons	1..274		
GI Descrip.	(AF061282) patatin-like protein [Sorghum bicolor]		

Seq. No.	16811	Seq. ID	OJ990527_23.9C10.C26
Gene No.	35455	Strand	-
Start	1	End	274
Name	OJ990527_23.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	72	End	263
GI	none	Score	165
Exons	72..263, 108..248, 113..259		

Seq. No.	16811	Seq. ID	OJ990527_23.9C10.C26
Gene No.	35455	Strand	-
Start	1	End	274
Name	OJ990527_23.9C10.C26.o1.gp	Method	AAT/GAP
Start	119	End	241
GI	uC-osf1cyp176e09b1	Score	200
Exons	119..241		
GI Descrip.	'4191779 3.0e-72 (AC005917) putative recA protein [Arabidopsis thaliana]'		

Seq. No.	16811	Seq. ID	OJ990527_23.9C10.C26
Gene No.	35455	Strand	-
Start	1	End	274
Name	OJ990527_23.9C10.C26.o1.gs	Method	GENSCAN
Start	119	End	247
GI	none	Score	.48
Exons	119..247		

Seq. No.	16812	Seq. ID	OJ990527_23.9C10.C28
Gene No.	35456	Strand	+
Start	9	End	247
Name	OJ990527_23.9C10.C28.o1.gs	Method	GENSCAN
Start	9	End	247
GI	none	Score	.81
Exons	9..247		

Seq. No.	16813	Seq. ID	OJ990527_23.9C10.C30
Gene No.	35457	Strand	+
Start	93	End	363
Name	OJ990527_23.9C10.C30.o1.gp	Method	AAT/GAP
Start	93	End	363
GI	572216	Score	506
Exons	93..363		

Seq. No.	16813	Seq. ID	OJ990527_23.9C10.C30
Gene No.	35458	Strand	+
Start	487	End	612
Name	OJ990527_23.9C10.C30.o1.tm	Method	TBLASTX:Maize
Start	441	End	606
GI	none	Score	79
Exons	441..518, 470..529, 484..528, 505..606, 516..605		

Seq. No.	16813	Seq. ID	OJ990527_23.9C10.C30
Gene No.	35458	Strand	+
Start	487	End	612
Name	OJ990527_23.9C10.C30.o2.gp	Method	AAT/GAP
Start	487	End	612
GI	4768977	Score	229
Exons	487..612		

GI Descrip.	4768978/gb|AAD29702.1|AF140489_1 9.0e-95 (AF140489) kiaa0078 protein [Oryza sativa]		
Seq. No.	16813	Seq. ID	OJ990527_23.9C10.C30
Gene No.	35458	Strand	+
Start	487	End	612
Name	OJ990527_23.9C10.C30.o1.np	Method	AAT/NAP
Start	488	End	612
GI	4768978	Score	187
Exons	488..612		
GI Descrip.	(AF140489) kiaa0078 protein [Oryza sativa]		
Seq. No.	16813	Seq. ID	OJ990527_23.9C10.C30
Gene No.	35458	Strand	+
Start	487	End	612
Name	OJ990527_23.9C10.C30.o1.gs	Method	GENSCAN
Start	500	End	603
GI	none	Score	.68
Exons	500..603		
Seq. No.	16814	Seq. ID	OJ990527_23.9C10.C32
Gene No.	35459	Strand	-
Start	123	End	465
Name	OJ990527_23.9C10.C32.o1.tm	Method	TBLASTX:Maize
Start	105	End	420
GI	none	Score	156
Exons	105..329, 121..420, 122..412, 148..420		
Seq. No.	16814	Seq. ID	OJ990527_23.9C10.C32
Gene No.	35459	Strand	-
Start	123	End	465
Name	OJ990527_23.9C10.C32.o1.gs	Method	GENSCAN
Start	123	End	465
GI	none	Score	.65
Exons	123..465		
Seq. No.	16815	Seq. ID	OJ990527_23.9C10.C35
Gene No.	35460	Strand	+
Start	770	End	1516
Name	OJ990527_23.9C10.C35.o1.gs	Method	GENSCAN
Start	770	End	1149
GI	none	Score	.73
Exons	770..904, 1075..1149		
Seq. No.	16815	Seq. ID	OJ990527_23.9C10.C35
Gene No.	35460	Strand	+
Start	770	End	1516
Name	OJ990527_23.9C10.C35.o1.np	Method	AAT/NAP
Start	770	End	1516
GI	2191175	Score	221
Exons	770..904, 1075..1149, 1450..1516		
GI Descrip.	(AF007270) A_IG002P16.24 gene product [Arabidopsis thaliana]		
Seq. No.	16816	Seq. ID	OJ990527_23.9C10.C36
Gene No.	35461	Strand	+
Start	1	End	740
Name	OJ990527_23.9C10.C36.o1.np	Method	AAT/NAP

Start	1	End	740
GI	1143864	Score	108
Exons	1..190, 558..740		
GI Descrip.	(U28047) beta glucosidase [Oryza sativa]		

Seq. No.	16816	Seq. ID	OJ990527_23.9C10.C36
Gene No.	35461	Strand	+
Start	1	End	740
Name	OJ990527_23.9C10.C36.o1.gs	Method	GENSCAN
Start	75	End	672
GI	none	Score	.97
Exons	75..190, 558..672		

Seq. No.	16817	Seq. ID	OJ990527_23.9C10.C38
Gene No.	35462	Strand	-
Start	75	End	157
Name	OJ990527_23.9C10.C38.o1.gs	Method	GENSCAN
Start	75	End	157
GI	none	Score	.75
Exons	75..157		

Seq. No.	16818	Seq. ID	OJ990527_23.9C10.C39
Gene No.	35463	Strand	+
Start	347	End	534
Name	OJ990527_23.9C10.C39.o1.gs	Method	GENSCAN
Start	347	End	534
GI	none	Score	.81
Exons	347..534		

Seq. No.	16819	Seq. ID	OJ990527_23.9C10.C41
Gene No.	35464	Strand	-
Start	539	End	650
Name	OJ990527_23.9C10.C41.o1.gs	Method	GENSCAN
Start	539	End	650
GI	none	Score	.75
Exons	539..650		

Seq. No.	16820	Seq. ID	OJ990527_23.9C10.C42
Gene No.	35465	Strand	+
Start	45	End	131
Name	OJ990527_23.9C10.C42.o1.gs	Method	GENSCAN
Start	45	End	131
GI	none	Score	.88
Exons	45..131		

Seq. No.	16821	Seq. ID	OJ990527_23.9C10.C44
Gene No.	35466	Strand	-
Start	466	End	917
Name	OJ990527_23.9C10.C44.o1.gs	Method	GENSCAN
Start	466	End	917
GI	none	Score	.79
Exons	466..684, 714..917		

Seq. No.	16822	Seq. ID	OJ990527_23.9C10.C46
Gene No.	35467	Strand	+
Start	18	End	196
Name	OJ990527_23.9C10.C46.o1.tm	Method	TBLASTX:Maize

Start	2	End	196
GI	none	Score	261
Exons	2..196, 3..176		

Seq. No.	16822	Seq. ID	OJ990527_23.9C10.C46
Gene No.	35467	Strand	+
Start	18	End	196
Name	OJ990527_23.9C10.C46.o1.gs	Method	GENSCAN
Start	18	End	192
GI	none	Score	1
Exons	18..192		

Seq. No.	16823	Seq. ID	OJ990527_23.9C10.C50
Gene No.	35468	Strand	+
Start	3	End	191
Name	OJ990527_23.9C10.C50.o1.gs	Method	GENSCAN
Start	3	End	191
GI	none	Score	.56
Exons	3..191		

Seq. No.	16824	Seq. ID	OJ990527_23.9C10.C51
Gene No.	35469	Strand	+
Start	224	End	722
Name	OJ990527_23.9C10.C51.o1.gs	Method	GENSCAN
Start	224	End	681
GI	none	Score	.87
Exons	224..229, 616..681		

Seq. No.	16824	Seq. ID	OJ990527_23.9C10.C51
Gene No.	35469	Strand	+
Start	224	End	722
Name	OJ990527_23.9C10.C51.o1.gp	Method	AAT/GAP
Start	469	End	722
GI	none	Score	304
Exons	469..528, 616..722		

Seq. No.	16825	Seq. ID	OJ990527_23.9C10.C52
Gene No.	35470	Strand	+
Start	533	End	1595
Name	OJ990527_23.9C10.C52.o1.gs	Method	GENSCAN
Start	533	End	1595
GI	none	Score	.48
Exons	533..589, 717..871, 1454..1595		

Seq. No.	16825	Seq. ID	OJ990527_23.9C10.C52
Gene No.	35471	Strand	-
Start	260	End	1630
Name	OJ990527_23.9C10.C52.o1.gp	Method	AAT/GAP
Start	260	End	1556
GI	754_1.R1084	Score	801
Exons	260..554, 1411..1556		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		

Seq. No.	16825	Seq. ID	OJ990527_23.9C10.C52
Gene No.	35471	Strand	-
Start	260	End	1630
Name	OJ990527_23.9C10.C52.o1.tm	Method	TBLASTX:Maize

Start	414	End	1563
GI	none	Score	89
Exons	414..557, 462..554, 476..562, 478..555, 1404..1556, 1408..1554, 1408..1563		

Seq. No.	16825	Seq. ID	OJ990527_23.9C10.C52
Gene No.	35471	Strand	-
Start	260	End	1630
Name	OJ990527_23.9C10.C52.o1.np	Method	AAT/NAP
Start	509	End	1630
GI	2267597	Score	251
Exons	509..554, 1411..1630		
GI Descrip.	(AF009413) 10 kDa chaperonin [Oryza sativa]		

Seq. No.	16825	Seq. ID	OJ990527_23.9C10.C52
Gene No.	35471	Strand	-
Start	260	End	1630
Name	OJ990527_23.9C10.C52.o1.tc	Method	TBLASTX:Cress
Start	1404	End	1556
GI	none	Score	155
Exons	1404..1556, 1426..1554		

Seq. No.	16826	Seq. ID	OJ990527_23.9C10.C54
Gene No.	35472	Strand	+
Start	293	End	393
Name	OJ990527_23.9C10.C54.o1.gs	Method	GENSCAN
Start	293	End	393
GI	none	Score	.69
Exons	293..393		

Seq. No.	16827	Seq. ID	OJ990527_23.9C10.C56
Gene No.	35473	Strand	+
Start	131	End	564
Name	OJ990527_23.9C10.C56.o1.gp	Method	AAT/GAP
Start	131	End	564
GI	none	Score	369
Exons	131..161, 297..564		

Seq. No.	16827	Seq. ID	OJ990527_23.9C10.C56
Gene No.	35474	Strand	-
Start	101	End	277
Name	OJ990527_23.9C10.C56.o1.gs	Method	GENSCAN
Start	101	End	277
GI	none	Score	.73
Exons	101..277		

Seq. No.	16828	Seq. ID	OJ990527_23.9C10.C59
Gene No.	35475	Strand	-
Start	1	End	289
Name	OJ990527_23.9C10.C59.o1.np	Method	AAT/NAP
Start	1	End	201
GI	2267597	Score	138
Exons	1..201		
GI Descrip.	(AF009413) 10 kDa chaperonin [Oryza sativa]		

Seq. No.	16828	Seq. ID	OJ990527_23.9C10.C59
Gene No.	35475	Strand	-

Start	1	End	289
Name	OJ990527_23.9C10.C59.o1.gp	Method	AAT/GAP
Start	97	End	289
GI	754_1.R1084	Score	307
Exons	97..289		
GI Descrip.	'2267597 5.0e-46 (AF009413) 10 kDa chaperonin [Oryza sativa]'		

Seq. No.	16829	Seq. ID	OJ990527_23.9C10.C60
Gene No.	35476	Strand	+
Start	1	End	646
Name	OJ990527_23.9C10.C60.o1.np	Method	AAT/NAP
Start	1	End	646
GI	3402703	Score	64
Exons	1..101, 624..646		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16830	Seq. ID	OJ990527_23.9C10.C61
Gene No.	35477	Strand	-
Start	1	End	681
Name	OJ990527_23.9C10.C61.o1.np	Method	AAT/NAP
Start	1	End	681
GI	2129830	Score	277
Exons	1..26, 248..681		
GI Descrip.	heat shock transcription factor 31 - soybean (fragment) gi|671867|emb|CAA87079| (Z46955) heat shock transcription factor 31 [Glycine max]		

Seq. No.	16830	Seq. ID	OJ990527_23.9C10.C61
Gene No.	35477	Strand	-
Start	1	End	681
Name	OJ990527_23.9C10.C61.o1.gs	Method	GENSCAN
Start	32	End	631
GI	none	Score	.45
Exons	32..631		

Seq. No.	16831	Seq. ID	OJ990527_23.9C10.C64
Gene No.	35478	Strand	-
Start	236	End	589
Name	OJ990527_23.9C10.C64.o1.gs	Method	GENSCAN
Start	236	End	589
GI	none	Score	.49
Exons	236..589		

Seq. No.	16832	Seq. ID	OJ990527_23.9C10.C67
Gene No.	35479	Strand	+
Start	220	End	468
Name	OJ990527_23.9C10.C67.o1.tm	Method	TBLASTX:Maize
Start	23	End	468
GI	none	Score	66
Exons	23..217, 73..228, 325..468		

Seq. No.	16832	Seq. ID	OJ990527_23.9C10.C67
Gene No.	35479	Strand	+
Start	220	End	468
Name	OJ990527_23.9C10.C67.o1.gs	Method	GENSCAN
Start	220	End	280
GI	none	Score	.82

Exons	220..280		
Seq. No.	16833	Seq. ID	OJ990527_23.9C10.C69
Gene No.	35480	Strand	-
Start	1	End	607
Name	OJ990527_23.9C10.C69.o1.gp	Method	AAT/GAP
Start	1	End	398
GI	none	Score	317
Exons	1..61, 144..265, 364..398		
Seq. No.	16833	Seq. ID	OJ990527_23.9C10.C69
Gene No.	35480	Strand	-
Start	1	End	607
Name	OJ990527_23.9C10.C69.o1.gs	Method	GENSCAN
Start	16	End	607
GI	none	Score	.9
Exons	16..61, 99..265, 364..416, 525..607		
Seq. No.	16834	Seq. ID	OJ990527_23.9C10.C72
Gene No.	35481	Strand	-
Start	392	End	565
Name	OJ990527_23.9C10.C72.o1.gs	Method	GENSCAN
Start	392	End	565
GI	none	Score	.9
Exons	392..565		
Seq. No.	16835	Seq. ID	OJ990527_23.9C10.C73
Gene No.	35482	Strand	+
Start	57	End	106
Name	OJ990527_23.9C10.C73.o1.gs	Method	GENSCAN
Start	57	End	106
GI	none	Score	.84
Exons	57..106		
Seq. No.	16836	Seq. ID	OJ990527_23.9C10.C76
Gene No.	35483	Strand	+
Start	110	End	685
Name	OJ990527_23.9C10.C76.o1.gs	Method	GENSCAN
Start	110	End	685
GI	none	Score	.91
Exons	110..254, 498..685		
Seq. No.	16837	Seq. ID	OJ990527_23.9C10.C77
Gene No.	35484	Strand	+
Start	117	End	198
Name	OJ990527_23.9C10.C77.o1.gs	Method	GENSCAN
Start	117	End	198
GI	none	Score	.4
Exons	117..198		
Seq. No.	16837	Seq. ID	OJ990527_23.9C10.C77
Gene No.	35485	Strand	-
Start	1	End	261
Name	OJ990527_23.9C10.C77.o1.np	Method	AAT/NAP
Start	1	End	243
GI	3426045	Score	50
Exons	1..18, 138..243		

GI Descrip. (AC005168) hypothetical protein [Arabidopsis thaliana]

Seq. No.	16837	Seq. ID	OJ990527_23.9C10.C77
Gene No.	35485	Strand	-
Start	1	End	261
Name	OJ990527_23.9C10.C77.o1.tm	Method	TBLASTX:Maize
Start	2	End	261
GI	none	Score	86
Exons	2..100, 3..56, 136..261, 137..250, 138..257, 139..258		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35486	Strand	+
Start	44	End	704
Name	OJ990427_25.9C17.C1.o1.gs	Method	GENSCAN
Start	44	End	704
GI	none	Score	.46
Exons	44..61, 355..427, 631..704		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35487	Strand	+
Start	1926	End	13084
Name	OJ990427_25.9C17.C1.o1.np	Method	AAT/NAP
Start	1926	End	13084
GI	4115373	Score	149
Exons	1926..1946, 5981..6049, 6297..6368, 6458..6601, 6697..6745, 6848..7100, 7201..7298, 13043..13084		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35487	Strand	+
Start	1926	End	13084
Name	OJ990427_25.9C17.C1.o1.gp	Method	AAT/GAP
Start	3654	End	6360
GI	36315_1.R1084	Score	1198
Exons	3654..3956, 4467..4614, 5321..5392, 5978..6049, 6297..6360		
GI Descrip.	'2832608/emb|CAA16622.1| 5.0e-09 (AL021637) leucine rich repeat-like protein (fragment) [Arabidopsis thaliana]'		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35487	Strand	+
Start	1926	End	13084
Name	OJ990427_25.9C17.C1.o3.gs	Method	GENSCAN
Start	4545	End	7470
GI	none	Score	.76
Exons	4545..4568, 4586..4614, 5321..5392, 5978..6049, 6297..6368, 6458..6601, 6697..6777, 6872..6943, 7201..7272, 7380..7470		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35487	Strand	+
Start	1926	End	13084
Name	OJ990427_25.9C17.C1.o2.gp	Method	AAT/GAP
Start	6901	End	7668
GI	36654_1.R1084	Score	884
Exons	6901..6943, 7029..7100, 7201..7272, 7380..7668		
GI Descrip.	'3687240 1.0e-08 (AC005169) extensin-like protein [Arabidopsis thaliana]'		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35488	Strand	+
Start	13706	End	18955
Name	OJ990427_25.9C17.C1.o5.gs	Method	GENSCAN
Start	13706	End	18955
GI	none	Score	.88
Exons	13706..13889, 14101..14142, 14195..14290, 14549..14601, 15328..15483, 16230..16817, 17360..17662, 18656..18955		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35488	Strand	+
Start	13706	End	18955
Name	OJ990427_25.9C17.C1.o3.gp	Method	AAT/GAP
Start	13711	End	13995
GI	uC-osroM202017g05b1	Score	460
Exons	13711..13995		
GI Descrip.	'4454467/gb|AAD20914| 9.0e-11 (AC006234) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35488	Strand	+
Start	13706	End	18955
Name	OJ990427_25.9C17.C1.o2.np	Method	AAT/NAP
Start	13997	End	18934
GI	6714484	Score	1748
Exons	13997..14142, 15158..15216, 15328..15483, 16230..16817, 17360..17662, 18656..18934		
GI Descrip.	(AC008261) unknown protein [Arabidopsis thaliana]		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35488	Strand	+
Start	13706	End	18955
Name	OJ990427_25.9C17.C1.o4.gp	Method	AAT/GAP
Start	15448	End	16550
GI	428127	Score	678
Exons	15448..15483, 16230..16550		
GI Descrip.	4454467/gb|AAD20914| 9.0e-11 (AC006234) unknown protein [Arabidopsis thaliana]		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35489	Strand	+
Start	32085	End	35761
Name	OJ990427_25.9C17.C1.o8.gs	Method	GENSCAN
Start	32085	End	35761
GI	none	Score	.86
Exons	32085..32110, 32494..32582, 32953..33207, 33298..33625, 33700..33748, 33954..34105, 34147..34304, 35004..35761		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35490	Strand	-
Start	3497	End	4207
Name	OJ990427_25.9C17.C1.o2.gs	Method	GENSCAN
Start	3497	End	4207
GI	none	Score	.94
Exons	3497..4207		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35491	Strand	-
Start	19294	End	19569
Name	OJ990427_25.9C17.C1.o5.gp	Method	AAT/GAP
Start	19294	End	19569
GI	none	Score	552
Exons	19294..19569		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35492	Strand	-
Start	20788	End	24152
Name	OJ990427_25.9C17.C1.o6.gp	Method	AAT/GAP
Start	20622	End	21620
GI	28822_1.R1084	Score	1325
Exons	20622..21177, 21375..21474, 21554..21620		
GI Descrip.	'3695392/gb|AAC62794.1| 5.0e-26 (AF096371) No definition line found [Arabidopsis thaliana]'		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35492	Strand	-
Start	20788	End	24152
Name	OJ990427_25.9C17.C1.o6.gs	Method	GENSCAN
Start	20788	End	24152
GI	none	Score	.77
Exons	20788..21177, 21375..21474, 21554..21679, 21806..21995, 22411..22644, 23212..23274, 23789..23825, 23934..24152		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35492	Strand	-
Start	20788	End	24152
Name	OJ990427_25.9C17.C1.o3.np	Method	AAT/NAP
Start	20791	End	24092
GI	6562297	Score	1392
Exons	20791..21177, 21375..21474, 21554..21679, 21806..21995, 22411..22644, 22773..22921, 23094..23274, 23789..23825, 23934..24092		
GI Descrip.	(AL133421) putative protein [Arabidopsis thaliana]		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35493	Strand	-
Start	24713	End	30494
Name	OJ990427_25.9C17.C1.o7.gs	Method	GENSCAN
Start	24713	End	30494
GI	none	Score	.7
Exons	24713..25023, 26415..26537, 27777..27859, 28024..28154, 28914..30494		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35493	Strand	-
Start	24713	End	30494
Name	OJ990427_25.9C17.C1.o7.gp	Method	AAT/GAP
Start	27847	End	29041
GI	none	Score	820
Exons	27847..28154, 28914..29041		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-

Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o4.ts	Method	TBLASTX:Soybean
Start	4447	End	6778
GI	none	Score	250
Exons	4447..4605, 4454..4618, 4466..4615, 5321..5383, 5322..5393, 5973..6050, 5979..6050, 5996..6052, 6298..6381, 6298..6369, 6458..6493, 6459..6602, 6471..6602, 6483..6602, 6548..6595, 6696..6710, 6698..6778		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o5.tc	Method	TBLASTX:Cress
Start	4462	End	5393
GI	none	Score	264
Exons	4462..4605, 4466..4615, 4467..4619, 5321..5392, 5322..5393		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o6.tm	Method	TBLASTX:Maize
Start	4462	End	5398
GI	none	Score	282
Exons	4462..4605, 4466..4615, 4467..4619, 5321..5392, 5322..5393, 5322..5396, 5324..5398		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o3.tm	Method	TBLASTX:Maize
Start	5940	End	7475
GI	none	Score	81
Exons	5940..6050, 5982..6050, 6300..6365, 6310..6381, 6310..6369, 6381..6605, 6459..6602, 6459..6575, 6697..6780, 6698..6778, 6709..6780, 6872..6940, 6873..7019, 6873..6977, 7029..7103, 7030..7086, 7196..7273, 7201..7272, 7355..7474, 7383..7475, 7384..7473		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o3.tc	Method	TBLASTX:Cress
Start	6328	End	6944
GI	none	Score	68
Exons	6328..6381, 6458..6601, 6459..6602, 6697..6780, 6698..6778, 6873..6944		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o8.tm	Method	TBLASTX:Maize
Start	13866	End	15420
GI	none	Score	48
Exons	13866..13898, 13868..13897, 14021..14137, 14025..14153, 15140..15214, 15141..15215, 15157..15213, 15326..15412, 15327..15356, 15328..15420, 15328..15420		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	15352	End	16763
GI	none	Score	90
Exons	15352..15486, 16239..16715, 16436..16669, 16698..16763		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	15421	End	19042
GI	none	Score	103
Exons	15421..15486, 15421..15486, 16228..16452, 16229..16819, 16230..16820, 16281..16823, 16609..16824, 17357..17662, 17359..17661, 18625..18963, 18654..18956, 18680..18964, 18710..18973, 18986..19042, 18993..19040, 18998..19042		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	16311	End	16814
GI	none	Score	503
Exons	16311..16733, 16313..16732, 16707..16814, 16742..16813		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	16752	End	17662
GI	none	Score	81
Exons	16752..16823, 17357..17479, 17357..17473, 17365..17478, 17510..17662, 17518..17628, 17522..17662		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o2.ts	Method	TBLASTX:Soybean
Start	17351	End	18840
GI	none	Score	404
Exons	17351..17662, 17357..17662, 17371..17682, 18625..18840, 18680..18838		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o2.tc	Method	TBLASTX:Cress
Start	17357	End	18817
GI	none	Score	435
Exons	17357..17662, 17359..17640, 18647..18775, 18655..18804, 18655..18813, 18680..18817		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392

Name	OJ990427_25.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	18710	End	18937
GI	none	Score	208
Exons	18710..18937, 18745..18891		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o9.tm	Method	TBLASTX:Maize
Start	19393	End	19574
GI	none	Score	126
Exons	19393..19503, 19422..19508, 19423..19506, 19428..19508, 19507..19572, 19508..19573, 19508..19573, 19509..19574, 19509..19574		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	20780	End	21996
GI	none	Score	385
Exons	20780..21181, 20780..21061, 20788..21180, 21306..21476, 21375..21473, 21376..21477, 21377..21490, 21554..21697, 21556..21696, 21563..21718, 21805..21996, 21805..21996		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o6.tc	Method	TBLASTX:Cress
Start	20788	End	21582
GI	none	Score	96
Exons	20788..21084, 20792..21034, 21312..21476, 21556..21582		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o6.ts	Method	TBLASTX:Soybean
Start	20791	End	21075
GI	none	Score	116
Exons	20791..21009, 20795..21007, 20989..21075		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o3.ts	Method	TBLASTX:Soybean
Start	21450	End	22486
GI	none	Score	143
Exons	21450..21485, 21553..21696, 21554..21679, 21803..21907, 21805..21996, 22409..22486		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o7.tc	Method	TBLASTX:Cress
Start	21616	End	22537
GI	none	Score	64
Exons	21616..21675, 21805..21999, 21878..22000, 22409..22537,		

22410..22529

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o4.tm	Method	TBLASTX:Maize
Start	22361	End	24156
GI	none	Score	65
Exons	22361..22645, 22362..22424, 22363..22641, 22424..22642, 22440..22649, 22768..22926, 22769..22921, 22777..22923, 23078..23275, 23094..23276, 23095..23277, 23096..23308, 23766..23825, 23789..23824, 23790..23825, 23910..24065, 23933..24013, 23941..24033, 23952..24143, 23998..24081, 24127..24156		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o5.ts	Method	TBLASTX:Soybean
Start	22487	End	24110
GI	none	Score	126
Exons	22487..22645, 22491..22646, 22755..22910, 22758..22910, 22768..22926, 22777..22917, 23078..23203, 23093..23164, 23207..23275, 23208..23261, 23784..23825, 23914..24036, 23928..24038, 23955..24110		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o8.tc	Method	TBLASTX:Cress
Start	23955	End	24119
GI	none	Score	195
Exons	23955..24119		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o4.tc	Method	TBLASTX:Cress
Start	28899	End	29612
GI	none	Score	109
Exons	28899..29204, 28911..29087, 28939..29205, 29283..29519, 29382..29612		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o7.tm	Method	TBLASTX:Maize
Start	33593	End	34148
GI	none	Score	221
Exons	33593..33631, 33700..33786, 33960..34148, 33960..34082		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o5.np	Method	AAT/NAP
Start	35037	End	38392
GI	3157926	Score	100

Exons	35037..35651, 38364..38392		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o9.gs	Method	GENSCAN
Start	36198	End	38274
GI	none	Score	.63
Exons	36198..38274		

Seq. No.	16838	Seq. ID	OJ990427_25.9C17.C1
Gene No.	35494	Strand	-
Start	35037	End	38392
Name	OJ990427_25.9C17.C1.o5.tm	Method	TBLASTX:Maize
Start	36375	End	36775
GI	none	Score	121
Exons	36375..36458, 36376..36459, 36456..36749, 36462..36725, 36464..36775, 36595..36729		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o2.np	Method	AAT/NAP
Start	20612	End	31798
GI	6850860	Score	1703
Exons	20612..20651, 20987..21182, 22093..22291, 22838..22930, 23053..23235, 23309..23411, 23502..23690, 24287..24654, 24727..26694, 27549..28039, 28082..28126, 31277..31411, 31671..31798		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o4.gs	Method	GENSCAN
Start	20995	End	30161
GI	none	Score	.5
Exons	20995..21189, 22103..22291, 23309..23411, 23502..23690, 24287..26694, 27549..28135, 28358..28413, 30043..30161		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o3.np	Method	AAT/NAP
Start	22838	End	28126
GI	6850860	Score	1295
Exons	22838..22930, 23053..23235, 23309..23411, 23502..23690, 24287..24654, 24727..26694, 27549..28039, 28082..28126		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o4.np	Method	AAT/NAP
Start	22838	End	28126

GI	6850860	Score	1292
Exons	22838..22930, 23053..23235, 23309..23411, 23502..23690, 24287..24654, 24727..26694, 27549..28039, 28082..28126		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o2.gp	Method	AAT/GAP
Start	25105	End	25529
GI	none	Score	839
Exons	25105..25529		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35495	Strand	+
Start	20995	End	31798
Name	OJ990427_25.9C17.C2.o3.gp	Method	AAT/GAP
Start	26295	End	27897
GI	none	Score	1459
Exons	26295..26694, 27549..27897		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o6.np	Method	AAT/NAP
Start	31718	End	46672
GI	3142300	Score	1138
Exons	31718..31948, 43128..43234, 43722..43951, 44473..44640, 44892..45252, 45753..45896, 46491..46672		
GI Descrip.	(AC002411) Contains similarity to pre-mRNA processing protein PRP39 gb|L29224 from S. cerevisiae. ESTs gb|R64908 and gb|T88158, gb|N38703 and gb|AA651043 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o7.gs	Method	GENSCAN
Start	33617	End	34792
GI	none	Score	.71
Exons	33617..34792		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o6.gp	Method	AAT/GAP
Start	34004	End	34333
GI	427031	Score	636
Exons	34004..34333		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o8.gp	Method	AAT/GAP
Start	34424	End	35026
GI	64997_1.R1084	Score	933
Exons	34424..34568, 34626..35026		

GI Descrip.	'1684629/emb|CAA70550| 2.0e-10 (Y09374) lacZ-PhoC [synthetic construct]'		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o9.gs	Method	GENSCAN
Start	42163	End	46643
GI	none	Score	.82
Exons	42163..42247, 42416..42545, 42661..42774, 42857..43047, 43128..43234, 43722..43951, 44473..44640, 44892..45252, 45753..45896, 46491..46643		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35496	Strand	+
Start	31718	End	46672
Name	OJ990427_25.9C17.C2.o10.gp	Method	AAT/GAP
Start	45206	End	46672
GI	4715382	Score	639
Exons	45206..45252, 45753..45896, 46491..46672		
GI Descrip.	3142300 9.0e-45 (AC002411) Contains similarity to pre-mRNA processing protein PRP39 gb_L29224 from S. cerevisiae. ESTs gb_R64908 and gb_T88158, gb_N38703 and gb_AA651043 come from this gene. [Arabidopsis thaliana]		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35497	Strand	-
Start	8879	End	11292
Name	OJ990427_25.9C17.C2.o1.np	Method	AAT/NAP
Start	8879	End	9658
GI	6539239	Score	586
Exons	8879..9658		
GI Descrip.	(AC011765) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35497	Strand	-
Start	8879	End	11292
Name	OJ990427_25.9C17.C2.o1.gp	Method	AAT/GAP
Start	9419	End	11292
GI	none	Score	876
Exons	9419..9705, 11098..11292		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35498	Strand	-
Start	18376	End	19162
Name	OJ990427_25.9C17.C2.o3.gs	Method	GENSCAN
Start	18376	End	19162
GI	none	Score	.82
Exons	18376..18498, 19157..19162		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35499	Strand	-
Start	29750	End	30192
Name	OJ990427_25.9C17.C2.o4.gp	Method	AAT/GAP
Start	29750	End	30192
GI	none	Score	870

Exons	29750..30192		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35500	Strand	-
Start	30738	End	31932
Name	OJ990427_25.9C17.C2.o5.gp	Method	AAT/GAP
Start	30448	End	30825
GI	2801263	Score	529
Exons	30448..30825		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35500	Strand	-
Start	30738	End	31932
Name	OJ990427_25.9C17.C2.o5.gs	Method	GENSCAN
Start	30738	End	31932
GI	none	Score	.93
Exons	30738..30876, 30971..31067, 31240..31329, 31746..31932		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35500	Strand	-
Start	30738	End	31932
Name	OJ990427_25.9C17.C2.o5.np	Method	AAT/NAP
Start	30741	End	31315
GI	4335757	Score	338
Exons	30741..30876, 30971..31067, 31240..31315		
GI Descrip.	(AC006284) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35501	Strand	-
Start	32793	End	33053
Name	OJ990427_25.9C17.C2.o6.gs	Method	GENSCAN
Start	32793	End	33053
GI	none	Score	.5
Exons	32793..33053		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o10.tm	Method	TBLASTX:Maize
Start	8823	End	9072
GI	none	Score	171
Exons	8823..9056, 8845..9072, 8848..9060, 8858..9067		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o2.tm	Method	TBLASTX:Maize
Start	9210	End	9665
GI	none	Score	550
Exons	9210..9632, 9221..9634, 9223..9633, 9228..9650, 9230..9634, 9612..9665		
Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	9290	End	9692

GI	none	Score	265
Exons	9290..9478, 9291..9479, 9291..9479, 9292..9480, 9482..9520, 9483..9521, 9518..9550, 9518..9541, 9669..9692		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	9297	End	9674
GI	none	Score	193
Exons	9297..9524, 9305..9634, 9309..9572, 9581..9658, 9612..9674		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o3.ts	Method	TBLASTX:Soybean
Start	9314	End	9659
GI	none	Score	291
Exons	9314..9541, 9315..9566, 9611..9658, 9624..9659		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o9.tm	Method	TBLASTX:Maize
Start	22117	End	22933
GI	none	Score	265
Exons	22117..22293, 22118..22297, 22835..22933, 22837..22920		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o3.tc	Method	TBLASTX:Cress
Start	22124	End	23238
GI	none	Score	75
Exons	22124..22246, 22835..22942, 22865..22933, 23020..23238, 23047..23211, 23109..23237		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	22840	End	23638
GI	none	Score	160
Exons	22840..22920, 22841..22945, 23047..23250, 23051..23236, 23052..23237, 23053..23238, 23308..23409, 23309..23410, 23482..23607, 23501..23611, 23611..23637, 23612..23638		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o5.tm	Method	TBLASTX:Maize
Start	24280	End	24803
GI	none	Score	67
Exons	24280..24579, 24281..24355, 24285..24569, 24286..24579, 24401..24625, 24609..24740, 24610..24717, 24685..24801, 24687..24803		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o8.tm	Method	TBLASTX:Maize
Start	25399	End	25680
GI	none	Score	284
Exons	25399..25614, 25402..25680, 25526..25675, 25563..25676		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	25909	End	27672
GI	none	Score	72
Exons	25909..25980, 25909..25983, 25969..26013, 25987..26034, 26011..26205, 26011..26205, 26013..26207, 26203..26562, 26205..26552, 26572..26616, 26615..26692, 26616..26693, 26620..26694, 27549..27668, 27550..27672		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o6.ts	Method	TBLASTX:Soybean
Start	26373	End	26694
GI	none	Score	115
Exons	26373..26444, 26374..26469, 26466..26534, 26467..26547, 26548..26694, 26643..26693		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o7.tm	Method	TBLASTX:Maize
Start	27692	End	28149
GI	none	Score	139
Exons	27692..27790, 27693..27803, 27799..27867, 27800..27874, 27802..27909, 27858..27962, 27912..28088, 27949..28149, 27988..28149		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o11.tm	Method	TBLASTX:Maize
Start	37349	End	37723
GI	none	Score	73
Exons	37349..37477, 37353..37478, 37569..37700, 37577..37723, 37577..37699, 37648..37719		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o2.tc	Method	TBLASTX:Cress
Start	37577	End	37957
GI	none	Score	84
Exons	37577..37672, 37679..37957, 37701..37823		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-

Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o8.gs	Method	GENSCAN
Start	37577	End	40511
GI	none	Score	.71
Exons	37577..37956, 39087..39141, 39652..39840, 39905..40065, 40104..40236, 40401..40511		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o2.ts	Method	TBLASTX:Soybean
Start	37577	End	39160
GI	none	Score	58
Exons	37577..37645, 37578..37658, 37625..37957, 37632..37958, 37664..37960, 39083..39160, 39085..39150		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o9.gp	Method	AAT/GAP
Start	37605	End	38270
GI	67188_1.R1084	Score	764
Exons	37605..37956, 38188..38270		
GI Descrip.	'3142300 9.0e-45 (AC002411) Contains similarity to pre-mRNA processing protein PRP39 gb_L29224 from S. cerevisiae. ESTs gb_R64908 and gb_T88158, gb_N38703 and gb_AA651043 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o2.tw	Method	TBLASTX:Wheat
Start	37679	End	37958
GI	none	Score	102
Exons	37679..37957, 37683..37958		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35503	Strand	-
Start	37577	End	40511
Name	OJ990427_25.9C17.C2.o6.tm	Method	TBLASTX:Maize
Start	37724	End	39781
GI	none	Score	275
Exons	37724..37945, 37725..37943, 37725..37961, 37732..37944, 39085..39150, 39086..39169, 39652..39747, 39653..39781		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35504	Strand	
Start	42778	End	46655
Name	OJ990427_25.9C17.C2.o4.tm	Method	TBLASTX:Maize
Start	42778	End	45255
GI	none	Score	34
Exons	42778..42822, 42866..43057, 42867..43058, 42964..43059, 43123..43191, 43125..43193, 43127..43234, 43127..43234, 43716..43952, 43719..43949, 43727..43951, 43791..43910, 43864..43962, 44462..44638, 44462..44638, 44470..44673, 44470..44640, 44891..45208, 44892..45017, 44893..45255, 44896..45252		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35504	Strand	
Start	42778	End	46655
Name	OJ990427_25.9C17.C2.o5.ts	Method	TBLASTX:Soybean
Start	43724	End	43985
GI	none	Score	327
Exons	43724..43954, 43725..43985, 43725..43955		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35504	Strand	
Start	42778	End	46655
Name	OJ990427_25.9C17.C2.o4.ts	Method	TBLASTX:Soybean
Start	44557	End	46544
GI	none	Score	94
Exons	44557..44634, 44561..44635, 44863..44952, 44889..44951, 44940..45212, 44941..45258, 44947..45225, 45750..45896, 45750..45893, 45758..45922, 45758..45895, 46488..46544		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35504	Strand	
Start	42778	End	46655
Name	OJ990427_25.9C17.C2.o3.tm	Method	TBLASTX:Maize
Start	45344	End	46655
GI	none	Score	248
Exons	45344..45520, 45346..45519, 45346..45618, 45372..45524, 45523..45543, 45531..45605, 45590..45619, 45590..45643, 45593..45667, 45595..45669, 45603..45659, 45610..45666, 45743..45895, 45744..45896, 45745..45897, 46488..46655, 46490..46642		

Seq. No.	16839	Seq. ID	OJ990427_25.9C17.C2
Gene No.	35504	Strand	
Start	42778	End	46655
Name	OJ990427_25.9C17.C2.o4.tc	Method	TBLASTX:Cress
Start	45719	End	45900
GI	none	Score	191
Exons	45719..45898, 45742..45900, 45753..45899		

Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35505	Strand	+
Start	1	End	4946
Name	OJ990427_25.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	4946
GI	3142300	Score	145
Exons	1..47, 296..565, 827..919, 1031..1126, 4900..4946		
GI Descrip.	(AC002411) Contains similarity to pre-mRNA processing protein PRP39 gb|L29224 from S. cerevisiae. ESTs gb|R64908 and gb|T88158, gb|N38703 and gb|AA651043 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35505	Strand	+
Start	1	End	4946
Name	OJ990427_25.9C17.C3.o1.gs	Method	GENSCAN
Start	302	End	4155
GI	none	Score	.63

Exons	302..565, 827..931, 1240..1273, 1450..1567, 2178..2428, 2823..2950, 3055..4155		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35505	Strand	+
Start	1	End	4946
Name	OJ990427_25.9C17.C3.o1.gp	Method	AAT/GAP
Start	1154	End	1404
GI	4715383	Score	471
Exons	1154..1404		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35506	Strand	+
Start	8619	End	8968
Name	OJ990427_25.9C17.C3.o3.gs	Method	GENSCAN
Start	8619	End	8966
GI	none	Score	.51
Exons	8619..8966		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35506	Strand	+
Start	8619	End	8968
Name	OJ990427_25.9C17.C3.o2.np	Method	AAT/NAP
Start	8676	End	8968
GI	3237190	Score	132
Exons	8676..8968		
GI Descrip.	(AB014760) cystein proteinase inhibitor [Cucumis sativus]		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35507	Strand	+
Start	11951	End	12295
Name	OJ990427_25.9C17.C3.o4.gs	Method	GENSCAN
Start	11951	End	12295
GI	none	Score	.99
Exons	11951..12295		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35508	Strand	+
Start	13489	End	14562
Name	OJ990427_25.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	277	End	1301
GI	none	Score	136
Exons	277..453, 296..454, 300..458, 464..565, 475..582, 815..871, 822..932, 834..932, 1026..1061, 1051..1167, 1109..1165, 1271..1300, 1272..1301		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3
Gene No.	35508	Strand	+
Start	13489	End	14562
Name	OJ990427_25.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	6476	End	8951
GI	none	Score	117
Exons	6476..6544, 6477..6554, 6491..6574, 6563..6667, 6564..6668, 6675..6734, 6680..6736, 8712..8771, 8717..8743, 8778..8915, 8795..8914, 8910..8951		
Seq. No.	16840	Seq. ID	OJ990427_25.9C17.C3

Gene No.	35508	Strand	+
Start	13489	End	14562
Name	OJ990427_25.9C17.C3.o5.gs	Method	GENSCAN
Start	13489	End	14562
GI	none	Score	.76
Exons	13489..13490, 13841..14118, 14285..14562		

Seq. No.	16841	Seq. ID	OJ990427_25.9C17.C4
Gene No.	35509	Strand	+
Start	195	End	700
Name	OJ990427_25.9C17.C4.o1.gp	Method	AAT/GAP
Start	195	End	700
GI	none	Score	1012
Exons	195..700		

Seq. No.	16841	Seq. ID	OJ990427_25.9C17.C4
Gene No.	35510	Strand	-
Start	672	End	2439
Name	OJ990427_25.9C17.C4.o1.gs	Method	GENSCAN
Start	672	End	2439
GI	none	Score	.55
Exons	672..827, 851..976, 1014..1142, 1890..1962, 2069..2235, 2353..2439		

Seq. No.	16841	Seq. ID	OJ990427_25.9C17.C4
Gene No.	35510	Strand	-
Start	672	End	2439
Name	OJ990427_25.9C17.C4.o2.gp	Method	AAT/GAP
Start	1085	End	2439
GI	none	Score	989
Exons	1085..1207, 1319..1403, 1890..1962, 2069..2235, 2323..2439		

Seq. No.	16841	Seq. ID	OJ990427_25.9C17.C4
Gene No.	35510	Strand	-
Start	672	End	2439
Name	OJ990427_25.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	2062	End	2439
GI	none	Score	43
Exons	2062..2103, 2070..2105, 2095..2238, 2099..2239, 2100..2195, 2101..2244, 2323..2439, 2324..2437		

Seq. No.	16842	Seq. ID	OJ990527_28.9C17.C2
Gene No.	35511	Strand	+
Start	277	End	723
Name	OJ990527_28.9C17.C2.o1.gs	Method	GENSCAN
Start	277	End	723
GI	none	Score	.5
Exons	277..723		

Seq. No.	16842	Seq. ID	OJ990527_28.9C17.C2
Gene No.	35512	Strand	+
Start	6049	End	6278
Name	OJ990527_28.9C17.C2.o1.np	Method	AAT/NAP
Start	6049	End	6278
GI	6069646	Score	59
Exons	6049..6278		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315)		

[Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	16843	Seq. ID	OJ990527_28.9C17.C3
Gene No.	35513	Strand	
Start	1410	End	1720
Name	OJ990527_28.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	1410	End	1720
GI	none	Score	117
Exons	1410..1502, 1542..1715, 1559..1720		

Seq. No.	16844	Seq. ID	OJ990527_28.9C17.C4
Gene No.	35514	Strand	+
Start	427	End	4951
Name	OJ990527_28.9C17.C4.o1.gs	Method	GENSCAN
Start	427	End	4951
GI	none	Score	.83
Exons	427..812, 1332..1591, 1711..1929, 2768..2870, 3018..3199, 4197..4533, 4540..4951		

Seq. No.	16844	Seq. ID	OJ990527_28.9C17.C4
Gene No.	35515	Strand	+
Start	6302	End	14891
Name	OJ990527_28.9C17.C4.o2.gs	Method	GENSCAN
Start	6302	End	14891
GI	none	Score	.52
Exons	6302..6377, 9693..9737, 13723..13822, 14256..14433, 14735..14785, 14823..14891		

Seq. No.	16844	Seq. ID	OJ990527_28.9C17.C4
Gene No.	35516	Strand	-
Start	2929	End	15272
Name	OJ990527_28.9C17.C4.o1.np	Method	AAT/NAP
Start	2929	End	15272
GI	6063554	Score	316
Exons	2929..3102, 3736..3764, 4432..4636, 4741..4924, 15228..15272		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16845	Seq. ID	OJ990527_28.9C17.C5
Gene No.	35517	Strand	+
Start	165	End	935
Name	OJ990527_28.9C17.C5.o1.gs	Method	GENSCAN
Start	165	End	935
GI	none	Score	.94
Exons	165..557, 651..771, 838..935		

Seq. No.	16846	Seq. ID	OJ990527_28.9C17.C6
Gene No.	35518	Strand	+
Start	1	End	283
Name	OJ990527_28.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	283
GI	6063554	Score	206
Exons	1..283		

GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	16846	Seq. ID	OJ990527_28.9C17.C6
Gene No.	35519	Strand	+
Start	642	End	928
Name	OJ990527_28.9C17.C6.o1.gp	Method	AAT/GAP
Start	642	End	928
GI	61605_1.R1084	Score	471
Exons	642..928		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	16846	Seq. ID	OJ990527_28.9C17.C6
Gene No.	35520	Strand	-
Start	13	End	94
Name	OJ990527_28.9C17.C6.o1.gs	Method	GENSCAN
Start	13	End	94
GI	none	Score	.58
Exons	13..94		
Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35521	Strand	+
Start	68	End	4627
Name	OJ990527_28.9C17.C8.o1.gs	Method	GENSCAN
Start	68	End	4627
GI	none	Score	.43
Exons	68..156, 713..779, 3969..4088, 4605..4627		
Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35521	Strand	+
Start	68	End	4627
Name	OJ990527_28.9C17.C8.o1.gp	Method	AAT/GAP
Start	262	End	682
GI	LIB3474-007-P1-K1-H2	Score	838
Exons	262..682		
GI Descrip.	'4539005/emb|CAB39626.1| 4.0e-13 (AL049481) putative oxidoreductase [Arabidopsis thaliana]'		
Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35522	Strand	-
Start	5513	End	12612
Name	OJ990527_28.9C17.C8.o2.gs	Method	GENSCAN
Start	5513	End	12612
GI	none	Score	.79
Exons	5513..5800, 6256..6420, 6735..6820, 6864..7104, 7500..7538, 7632..7754, 9586..9705, 11640..11725, 12516..12612		
Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35522	Strand	-
Start	5513	End	12612
Name	OJ990527_28.9C17.C8.o1.np	Method	AAT/NAP
Start	5633	End	7682
GI	4539005	Score	442
Exons	5633..5783, 6247..6420, 6504..6635, 6735..6820, 6912..7104, 7500..7682		

GI Descrip. (AL049481) putative oxidoreductase [Arabidopsis thaliana]

Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35522	Strand	-
Start	5513	End	12612
Name	OJ990527_28.9C17.C8.o2.gp	Method	AAT/GAP
Start	6918	End	7108
GI	2312438	Score	307
Exons	6918..7108		
GI Descrip.	4539005/emb|CAB39626.1| 4.0e-13 (AL049481) putative oxidoreductase [Arabidopsis thaliana]		

Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35523	Strand	-
Start	13183	End	14574
Name	OJ990527_28.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	6250	End	7005
GI	none	Score	87
Exons	6250..6405, 6253..6375, 6302..6406, 6507..6635, 6508..6636, 6744..6821, 6913..7005		

Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35523	Strand	-
Start	13183	End	14574
Name	OJ990527_28.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	6253	End	6615
GI	none	Score	61
Exons	6253..6435, 6302..6400, 6510..6614, 6517..6615		

Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35523	Strand	-
Start	13183	End	14574
Name	OJ990527_28.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	6504	End	6972
GI	none	Score	106
Exons	6504..6635, 6504..6635, 6505..6636, 6738..6821, 6742..6819, 6911..6964, 6913..6972		

Seq. No.	16847	Seq. ID	OJ990527_28.9C17.C8
Gene No.	35523	Strand	-
Start	13183	End	14574
Name	OJ990527_28.9C17.C8.o3.gs	Method	GENSCAN
Start	13183	End	14574
GI	none	Score	.98
Exons	13183..14574		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35524	Strand	+
Start	257	End	1607
Name	OJ990527_28.9C17.C9.o1.np	Method	AAT/NAP
Start	257	End	1607
GI	4585884	Score	372
Exons	257..746, 834..1059, 1146..1607		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35524	Strand	+

Start	257	End	1607
Name	OJ990527_28.9C17.C9.o1.gs	Method	GENSCAN
Start	366	End	1591
GI	none	Score	.49
Exons	366..746, 834..1059, 1149..1591		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35524	Strand	+
Start	257	End	1607
Name	OJ990527_28.9C17.C9.o1.gp	Method	AAT/GAP
Start	833	End	1271
GI	uC-osflcyp143f05b1	Score	568
Exons	833..1059, 1149..1271		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-24 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	396	End	923
GI	none	Score	519
Exons	396..764, 512..757, 830..916, 831..923, 831..923		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	891	End	1348
GI	none	Score	117
Exons	891..1028, 931..1023, 1100..1234, 1148..1240, 1253..1348		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	927	End	1450
GI	none	Score	218
Exons	927..1061, 928..1062, 929..1063, 1090..1266, 1091..1270, 1093..1266, 1121..1279, 1262..1450, 1265..1450		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	1139	End	1426
GI	none	Score	208
Exons	1139..1348, 1147..1236, 1364..1426		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o2.np	Method	AAT/NAP
Start	2034	End	2278
GI	5091610	Score	316
Exons	2034..2278		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	16848	Seq. ID	OJ990527_28.9C17.C9
Gene No.	35525	Strand	+
Start	2034	End	2278
Name	OJ990527_28.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	2055	End	2278
GI	none	Score	267
Exons	2055..2276, 2055..2273, 2063..2278		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35526	Strand	-
Start	3178	End	4602
Name	OJ990527_28.9C17.C10.o2.gs	Method	GENSCAN
Start	3178	End	4602
GI	none	Score	.67
Exons	3178..4602		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35527	Strand	-
Start	6472	End	10773
Name	OJ990527_28.9C17.C10.o1.np	Method	AAT/NAP
Start	5517	End	7269
GI	322873	Score	274
Exons	5517..5561, 6514..6578, 6761..7269		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35527	Strand	-
Start	6472	End	10773
Name	OJ990527_28.9C17.C10.o3.gs	Method	GENSCAN
Start	6472	End	10745
GI	none	Score	.6
Exons	6472..7266, 8712..9259, 9557..10745		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35527	Strand	-
Start	6472	End	10773
Name	OJ990527_28.9C17.C10.o2.np	Method	AAT/NAP
Start	7930	End	10773
GI	322871	Score	1870
Exons	7930..8101, 8195..10436, 10464..10773		
GI Descrip.	hypothetical protein 1 - maize transposon En-1 gi|225005|prf||1206239A ORF 1 [Zea mays]		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o3.tw	Method	TBLASTX:Wheat
Start	6859	End	8837
GI	none	Score	248
Exons	6859..6966, 7027..7065, 8388..8837		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o1.tm	Method	TBLASTX:Maize

Start	8458	End	8942
GI	none	Score	86
Exons	8458..8619, 8460..8942		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	8508	End	8912
GI	none	Score	112
Exons	8508..8750, 8509..8622, 8739..8912		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	9444	End	9729
GI	none	Score	152
Exons	9444..9632, 9448..9624, 9633..9728, 9634..9729, 9637..9729		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	9523	End	9866
GI	none	Score	56
Exons	9523..9636, 9543..9866, 9673..9858		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	9651	End	10016
GI	none	Score	74
Exons	9651..9857, 9894..10016		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	9744	End	10148
GI	none	Score	78
Exons	9744..9881, 9876..9977, 9987..10148		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	9744	End	10091
GI	none	Score	63
Exons	9744..9899, 9921..9980, 10008..10091		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	10053	End	10382

GI	none	Score	119
Exons	10053..10373, 10053..10382		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	10482	End	10737
GI	none	Score	43
Exons	10482..10631, 10503..10631, 10614..10736, 10648..10737		

Seq. No.	16849	Seq. ID	OJ990527_28.9C17.C10
Gene No.	35528	Strand	-
Start	12988	End	16743
Name	OJ990527_28.9C17.C10.o4.gs	Method	GENSCAN
Start	12988	End	16743
GI	none	Score	.63
Exons	12988..13245, 13800..14267, 14839..14965, 15430..15681, 16305..16369, 16693..16743		

Seq. No.	16850	Seq. ID	OJ990527_28.9C17.C11
Gene No.	35529	Strand	-
Start	53	End	848
Name	OJ990527_28.9C17.C11.o1.gs	Method	GENSCAN
Start	53	End	848
GI	none	Score	.46
Exons	53..848		

Seq. No.	16850	Seq. ID	OJ990527_28.9C17.C11
Gene No.	35530	Strand	-
Start	2775	End	4154
Name	OJ990527_28.9C17.C11.o2.gs	Method	GENSCAN
Start	2775	End	4154
GI	none	Score	.64
Exons	2775..4154		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35531	Strand	+
Start	4904	End	8807
Name	OJ990527_28.9C17.C12.o1.np	Method	AAT/NAP
Start	4904	End	8807
GI	6539553	Score	6713
Exons	4904..8807		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35532	Strand	+
Start	18386	End	24460
Name	OJ990527_28.9C17.C12.o2.np	Method	AAT/NAP
Start	18386	End	24460
GI	5922631	Score	6729
Exons	18386..18510, 18769..19013, 19263..19465, 19511..20082, 20125..20276, 20403..21326, 21933..24460		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a		

region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35533	Strand	-
Start	66	End	373
Name	OJ990527_28.9C17.C12.o1.gs	Method	GENSCAN
Start	66	End	373
GI	none	Score	.53
Exons	66..373		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o10.tw	Method	TBLASTX:Wheat
Start	4898	End	5284
GI	none	Score	354
Exons	4898..5284, 4909..5283		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o5.tm	Method	TBLASTX:Maize
Start	5033	End	5346
GI	none	Score	366
Exons	5033..5344, 5041..5346		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o2.tm	Method	TBLASTX:Maize
Start	5845	End	6167
GI	none	Score	268
Exons	5845..6099, 5852..6166, 5872..6165, 6000..6167		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o7.ts	Method	TBLASTX:Soybean
Start	6194	End	6580
GI	none	Score	90
Exons	6194..6349, 6332..6580		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o7.tm	Method	TBLASTX:Maize
Start	6368	End	23956
GI	none	Score	303
Exons	6368..6802, 6577..6777, 23825..23956		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-

Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o13.tw	Method	TBLASTX:Wheat
Start	6446	End	6637
GI	none	Score	275
Exons	6446..6637, 6446..6637		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o3.ts	Method	TBLASTX:Soybean
Start	6590	End	6988
GI	none	Score	197
Exons	6590..6814, 6598..6768, 6815..6988, 6823..6861		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o1.tw	Method	TBLASTX:Wheat
Start	6638	End	7392
GI	none	Score	641
Exons	6638..7126, 6646..7125, 7138..7392, 7175..7372, 7233..7391		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	7312	End	7776
GI	5509260	Score	370
Exons	7312..7776, 7407..7631, 7704..7757		
GI Descrip.	-		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o1.tc	Method	TBLASTX:Cress
Start	7405	End	7665
GI	none	Score	279
Exons	7405..7665, 7407..7577		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o6.tm	Method	TBLASTX:Maize
Start	7446	End	7911
GI	none	Score	351
Exons	7446..7808, 7447..7911		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o5.tw	Method	TBLASTX:Wheat
Start	7447	End	7992
GI	none	Score	317
Exons	7447..7791, 7464..7487, 7594..7767, 7786..7992, 7860..7982		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-

Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o4.ts	Method	TBLASTX:Soybean
Start	7845	End	8189
GI	none	Score	210
Exons	7845..8045, 7846..8049, 8040..8189		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o8.tm	Method	TBLASTX:Maize
Start	8001	End	8339
GI	none	Score	296
Exons	8001..8054, 8061..8339, 8061..8324, 8111..8338		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o2.tw	Method	TBLASTX:Wheat
Start	8195	End	8671
GI	none	Score	99
Exons	8195..8266, 8196..8270, 8201..8284, 8285..8671, 8286..8633, 8287..8670		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o6.ts	Method	TBLASTX:Soybean
Start	8202	End	8543
GI	none	Score	94
Exons	8202..8315, 8228..8308, 8334..8543, 8339..8464		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o4.tw	Method	TBLASTX:Wheat
Start	12071	End	22338
GI	none	Score	63
Exons	12071..12196, 21914..22333, 21914..22321, 21958..22338, 21979..22338		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o11.tw	Method	TBLASTX:Wheat
Start	19687	End	20089
GI	none	Score	287
Exons	19687..19956, 19688..20089		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o9.tw	Method	TBLASTX:Wheat
Start	20666	End	21123
GI	none	Score	149
Exons	20666..20842, 20729..20842, 20887..21123, 20891..21121		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12

Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o3.tw	Method	TBLASTX:Wheat
Start	21343	End	21799
GI	none	Score	497
Exons	21343..21798, 21344..21799		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o8.ts	Method	TBLASTX:Soybean
Start	21383	End	21748
GI	none	Score	138
Exons	21383..21607, 21614..21748		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o3.tm	Method	TBLASTX:Maize
Start	21473	End	21829
GI	none	Score	375
Exons	21473..21829, 21514..21819		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o2.ts	Method	TBLASTX:Soybean
Start	21992	End	22393
GI	none	Score	305
Exons	21992..22393, 22009..22167, 22189..22359		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o4.tm	Method	TBLASTX:Maize
Start	22063	End	22504
GI	none	Score	269
Exons	22063..22314, 22064..22315, 22336..22467, 22337..22480, 22478..22504		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o12.tw	Method	TBLASTX:Wheat
Start	22342	End	22628
GI	none	Score	278
Exons	22342..22419, 22343..22624, 22478..22627, 22530..22628		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o5.ts	Method	TBLASTX:Soybean
Start	22619	End	23007
GI	none	Score	261
Exons	22619..23005, 22627..23007		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12

Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o7.tw	Method	TBLASTX:Wheat
Start	22628	End	23050
GI	none	Score	415
Exons	22628..23050, 22636..23040		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o10.tm	Method	TBLASTX:Maize
Start	22880	End	23134
GI	none	Score	193
Exons	22880..23134		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o15.tw	Method	TBLASTX:Wheat
Start	23066	End	23365
GI	none	Score	130
Exons	23066..23200, 23225..23365		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	23362	End	23725
GI	none	Score	449
Exons	23362..23673, 23363..23686, 23383..23706, 23677..23724, 23678..23725		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o6.tw	Method	TBLASTX:Wheat
Start	23368	End	23755
GI	none	Score	417
Exons	23368..23679, 23369..23755, 23570..23755		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o8.tw	Method	TBLASTX:Wheat
Start	23870	End	24484
GI	none	Score	273
Exons	23870..24148, 23890..23979, 24031..24132, 24203..24361, 24347..24484		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o9.tm	Method	TBLASTX:Maize
Start	24212	End	24445
GI	none	Score	152
Exons	24212..24364, 24220..24261, 24304..24363, 24343..24444, 24344..24445		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o5.gs	Method	GENSCAN
Start	24812	End	27826
GI	none	Score	.81
Exons	24812..25260, 25333..25437, 25509..25698, 25774..25961, 26036..26482, 26516..26684, 26903..27237, 27658..27826		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o3.np	Method	AAT/NAP
Start	24815	End	27787
GI	6691716	Score	2362
Exons	24815..25260, 25333..25449, 25599..25698, 25774..25948, 26089..26333, 26382..26448, 26530..26719, 26917..27787		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16851	Seq. ID	OJ990527_28.9C17.C12
Gene No.	35534	Strand	-
Start	24812	End	27826
Name	OJ990527_28.9C17.C12.o14.tw	Method	TBLASTX:Wheat
Start	27377	End	27667
GI	none	Score	222
Exons	27377..27667		

Seq. No.	16852	Seq. ID	OJ990527_28.9C17.C13
Gene No.	35535	Strand	+
Start	2599	End	5022
Name	OJ990527_28.9C17.C13.o1.np	Method	AAT/NAP
Start	2599	End	5022
GI	6069653	Score	2984
Exons	2599..2800, 2837..3790, 3869..4653, 4807..5022		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	16852	Seq. ID	OJ990527_28.9C17.C13
Gene No.	35536	Strand	-
Start	433	End	9740
Name	OJ990527_28.9C17.C13.o1.gs	Method	GENSCAN
Start	433	End	9740
GI	none	Score	.43
Exons	433..489, 1561..1707, 1863..2017, 2216..2267, 3043..3378, 4099..4361, 4956..5060, 7490..7642, 7987..7994, 9733..9740		

Seq. No.	16852	Seq. ID	OJ990527_28.9C17.C13
Gene No.	35537	Strand	-
Start	15468	End	16432
Name	OJ990527_28.9C17.C13.o3.gs	Method	GENSCAN
Start	15468	End	16432
GI	none	Score	.69
Exons	15468..15487, 15883..15963, 16309..16432		

Seq. No.	16853	Seq. ID	OJ990527_28.9C17.C14

Gene No.	35538	Strand	+
Start	480	End	803
Name	OJ990527_28.9C17.C14.o1.gs	Method	GENSCAN
Start	480	End	803
GI	none	Score	.48
Exons	480..586, 697..803		

Seq. No.	16854	Seq. ID	OJ990527_28.9C17.C15
Gene No.	35539	Strand	+
Start	796	End	928
Name	OJ990527_28.9C17.C15.o1.gs	Method	GENSCAN
Start	796	End	928
GI	none	Score	.56
Exons	796..928		

Seq. No.	16854	Seq. ID	OJ990527_28.9C17.C15
Gene No.	35540	Strand	-
Start	1	End	588
Name	OJ990527_28.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	588
GI	6721561	Score	93
Exons	1..57, 503..588		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16855	Seq. ID	OJ990427_22.9C17.C1
Gene No.	35541	Strand	+
Start	1	End	582
Name	OJ990427_22.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	582
GI	3298547	Score	283
Exons	1..89, 242..343, 465..582		
GI Descrip.	(AC004681) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16855	Seq. ID	OJ990427_22.9C17.C1
Gene No.	35541	Strand	+
Start	1	End	582
Name	OJ990427_22.9C17.C1.o1.gs	Method	GENSCAN
Start	48	End	582
GI	none	Score	.95
Exons	48..89, 242..343, 465..582		

Seq. No.	16856	Seq. ID	OJ990427_22.9C17.C2
Gene No.	35542	Strand	+
Start	479	End	729
Name	OJ990427_22.9C17.C2.o1.np	Method	AAT/NAP
Start	479	End	729
GI	2498930	Score	70
Exons	479..542, 710..729		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	16856	Seq. ID	OJ990427_22.9C17.C2
Gene No.	35542	Strand	+

Start	479	End	729
Name	OJ990427_22.9C17.C2.o1.gs	Method	GENSCAN
Start	483	End	542
GI	none	Score	.94
Exons	483..542		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35543	Strand	+
Start	11023	End	11169
Name	OJ990427_22.9C17.C5.o3.gp	Method	AAT/GAP
Start	11023	End	11169
GI	286806	Score	253
Exons	11023..11169		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35544	Strand	+
Start	19928	End	20097
Name	OJ990427_22.9C17.C5.o6.gp	Method	AAT/GAP
Start	19928	End	20097
GI	286806	Score	230
Exons	19928..19969, 19992..20097		
GI Descrip.	5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35545	Strand	-
Start	786	End	10098
Name	OJ990427_22.9C17.C5.o1.gp	Method	AAT/GAP
Start	786	End	1753
GI	none	Score	594
Exons	786..905, 1070..1162, 1252..1299, 1659..1753		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35545	Strand	-
Start	786	End	10098
Name	OJ990427_22.9C17.C5.o1.gs	Method	GENSCAN
Start	798	End	10098
GI	none	Score	.77
Exons	798..905, 1252..1299, 1659..1757, 1838..1954, 2170..2262, 2634..2739, 2908..2942, 3031..3117, 3386..3454, 3540..3638, 5356..5428, 5512..5840, 5928..5985, 6075..6127, 6933..7002, 7134..7195, 7310..7398, 7764..7869, 7968..8039, 8785..8837, 8903..9057, 9797..9968, 10044..10098		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35545	Strand	-
Start	786	End	10098
Name	OJ990427_22.9C17.C5.o2.gp	Method	AAT/GAP
Start	2217	End	3406
GI	uC-osflcyp173f02b1	Score	721
Exons	2217..2262, 2353..2433, 2634..2739, 2908..2942, 3031..3117, 3243..3320, 3386..3406		
GI Descrip.	'5081608/gb|AAD39463.1|AF135439_1 2.0e-22 (AF135439) formin binding protein 11 [Mus musculus]'		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35546	Strand	-
Start	17463	End	18255
Name	OJ990427_22.9C17.C5.o4.gp	Method	AAT/GAP
Start	17283	End	17794
GI	5771207	Score	962
Exons	17283..17794		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35546	Strand	-
Start	17463	End	18255
Name	OJ990427_22.9C17.C5.o3.gs	Method	GENSCAN
Start	17463	End	18161
GI	none	Score	.85
Exons	17463..18161		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35546	Strand	-
Start	17463	End	18255
Name	OJ990427_22.9C17.C5.o5.gp	Method	AAT/GAP
Start	17607	End	18255
GI	5771206	Score	1012
Exons	17607..18255		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35547	Strand	-
Start	19518	End	20291
Name	OJ990427_22.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	791	End	3054
GI	none	Score	77
Exons	791..850, 796..855, 796..849, 798..902, 1064..1162, 1088..1171, 1246..1302, 1247..1300, 1659..1760, 1660..1761, 1830..1949, 1835..1957, 1838..1957, 2043..2078, 2043..2078, 2044..2100, 2044..2100, 2160..2264, 2161..2265, 2170..2268, 2351..2434, 2352..2435, 2353..2436, 2632..2754, 2633..2737, 2634..2741, 2895..2942, 3031..3054		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35547	Strand	-
Start	19518	End	20291
Name	OJ990427_22.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	1833	End	2268
GI	none	Score	67
Exons	1833..1925, 1835..1945, 2044..2100, 2044..2100, 2170..2268		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35547	Strand	-
Start	19518	End	20291
Name	OJ990427_22.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	2901	End	3455
GI	none	Score	51
Exons	2901..2942, 2902..2949, 3029..3118, 3031..3126, 3066..3119, 3243..3302, 3244..3309, 3246..3320, 3357..3455, 3386..3454		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35547	Strand	-
Start	19518	End	20291

Name	OJ990427_22.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	3054	End	7004
GI	none	Score	82
Exons	3054..3119, 3055..3126, 3056..3118, 3243..3323, 3244..3351, 3246..3317, 3357..3455, 3385..3453, 3386..3454, 3388..3456, 3531..3644, 3540..3638, 5356..5430, 5511..5714, 5514..5636, 5550..5753, 5612..5683, 5765..5839, 5767..5838, 5769..5840, 5919..5987, 5926..5985, 6072..6128, 6072..6128, 6074..6130, 6927..7004, 6933..6971		

Seq. No.	16857	Seq. ID	OJ990427_22.9C17.C5
Gene No.	35547	Strand	-
Start	19518	End	20291
Name	OJ990427_22.9C17.C5.o4.gs	Method	GENSCAN
Start	19518	End	20291
GI	none	Score	.9
Exons	19518..19715, 20126..20291		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35548	Strand	+
Start	8182	End	16821
Name	OJ990427_22.9C17.C6.o1.np	Method	AAT/NAP
Start	8182	End	16821
GI	6498441	Score	6969
Exons	8182..9245, 9576..10039, 10103..10476, 10660..10794, 13962..14388, 14581..14877, 15049..16446, 16540..16821		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35549	Strand	-
Start	152	End	643
Name	OJ990427_22.9C17.C6.o1.gs	Method	GENSCAN
Start	152	End	643
GI	none	Score	.48
Exons	152..298, 623..643		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	3557	End	3861
GI	none	Score	109
Exons	3557..3826, 3592..3861, 3594..3860		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o10.tw	Method	TBLASTX:Wheat
Start	3562	End	3834
GI	none	Score	187
Exons	3562..3834		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896

Name	OJ990427_22.9C17.C6.o6.tw	Method	TBLASTX:Wheat
Start	8330	End	8722
GI	none	Score	58
Exons	8330..8377, 8384..8482, 8389..8481, 8449..8688, 8465..8722		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o4.tm	Method	TBLASTX:Maize
Start	8335	End	8620
GI	none	Score	196
Exons	8335..8619, 8372..8620		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o4.tw	Method	TBLASTX:Wheat
Start	8730	End	15183
GI	none	Score	235
Exons	8730..8786, 14725..14979, 14749..15000, 14814..14999, 15034..15183, 15045..15182		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o2.tw	Method	TBLASTX:Wheat
Start	9460	End	9946
GI	none	Score	407
Exons	9460..9633, 9461..9946, 9655..9915		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	10110	End	10573
GI	none	Score	234
Exons	10110..10571, 10111..10563, 10112..10573, 10112..10573		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o4.ts	Method	TBLASTX:Soybean
Start	10151	End	10516
GI	none	Score	117
Exons	10151..10375, 10382..10516		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	10241	End	10597
GI	none	Score	383
Exons	10241..10597, 10276..10563, 10292..10597		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896

Name	OJ990427_22.9C17.C6.o5.tw	Method	TBLASTX:Wheat
Start	10574	End	10885
GI	none	Score	342
Exons	10574..10885, 10582..10872		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o3.tm	Method	TBLASTX:Maize
Start	10624	End	14001
GI	none	Score	312
Exons	10624..10968, 10625..10969, 13933..14001		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o3.ts	Method	TBLASTX:Soybean
Start	10670	End	10894
GI	none	Score	205
Exons	10670..10894, 10678..10893		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o8.tw	Method	TBLASTX:Wheat
Start	13928	End	14342
GI	none	Score	54
Exons	13928..14122, 13939..14178, 13962..14177, 14218..14298, 14244..14342		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o2.ts	Method	TBLASTX:Soybean
Start	14872	End	15438
GI	5666795	Score	73
Exons	14872..14970, 15046..15183, 15238..15438		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o9.tw	Method	TBLASTX:Wheat
Start	15186	End	15498
GI	none	Score	192
Exons	15186..15362, 15238..15498		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o2.tm	Method	TBLASTX:Maize
Start	15691	End	16014
GI	none	Score	361
Exons	15691..16014, 15720..16001		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-

Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o3.tw	Method	TBLASTX:Wheat
Start	15828	End	16209
GI	none	Score	362
Exons	15828..15896, 15829..16209, 15930..16175		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o7.tw	Method	TBLASTX:Wheat
Start	16210	End	16812
GI	none	Score	261
Exons	16210..16494, 16210..16626, 16686..16808, 16687..16812		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o5.tm	Method	TBLASTX:Maize
Start	16681	End	16827
GI	none	Score	188
Exons	16681..16827, 16686..16820		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o4.gs	Method	GENSCAN
Start	17452	End	21707
GI	none	Score	.8
Exons	17452..17874, 17915..19482, 19796..20114, 20175..20548, 21099..21220, 21272..21400, 21565..21707		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o2.np	Method	AAT/NAP
Start	17455	End	20744
GI	6907089	Score	4965
Exons	17455..19388, 19483..20744		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16858	Seq. ID	OJ990427_22.9C17.C6
Gene No.	35550	Strand	-
Start	17452	End	21896
Name	OJ990427_22.9C17.C6.o3.np	Method	AAT/NAP
Start	20146	End	21896
GI	5922623	Score	103
Exons	20146..20169, 21565..21640, 21802..21896		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35551	Strand	+
Start	1	End	264
Name	OJ990427_22.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	264
GI	5042454	Score	72

Exons	1..41, 211..264		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35552	Strand	+
Start	211	End	773
Name	OJ990427_22.9C17.C7.o1.gs	Method	GENSCAN
Start	211	End	773
GI	none	Score	.67
Exons	211..386, 510..773		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35553	Strand	+
Start	16206	End	18102
Name	OJ990427_22.9C17.C7.o4.np	Method	AAT/NAP
Start	16177	End	17922
GI	1076770	Score	1127
Exons	16177..17308, 17392..17622, 17724..17922		
GI Descrip.	high-affinity potassium uptake transporter - wheat gi|567062 (U16709) HKT1 [Triticum aestivum] gi|746339|prf||2017355A K uptake transporter [Triticum aestivum]		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35553	Strand	+
Start	16206	End	18102
Name	OJ990427_22.9C17.C7.o4.gs	Method	GENSCAN
Start	16206	End	18102
GI	none	Score	.96
Exons	16206..17308, 17392..17622, 17724..17915, 18000..18102		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35554	Strand	-
Start	2174	End	9219
Name	OJ990427_22.9C17.C7.o2.gs	Method	GENSCAN
Start	2174	End	9219
GI	none	Score	.67
Exons	2174..2383, 2695..2730, 3672..3926, 5868..6066, 6169..6409, 6671..6821, 6935..7093, 9157..9219		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35555	Strand	-
Start	10288	End	14305
Name	OJ990427_22.9C17.C7.o3.np	Method	AAT/NAP
Start	10288	End	14305
GI	6539553	Score	6493
Exons	10288..14043, 14156..14305		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35555	Strand	-
Start	10288	End	14305
Name	OJ990427_22.9C17.C7.o3.gs	Method	GENSCAN
Start	10515	End	14246
GI	none	Score	.45

Exons	10515..11195, 11313..13716, 13750..13993, 14086..14136, 14198..14246		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	10424	End	10899
GI	none	Score	101
Exons	10424..10522, 10462..10521, 10518..10808, 10519..10809, 10521..10808, 10522..10809, 10818..10898, 10824..10898, 10828..10899		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o4.ts	Method	TBLASTX:Soybean
Start	10551	End	10892
GI	none	Score	111
Exons	10551..10760, 10603..10755, 10779..10892, 10786..10866		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o4.tm	Method	TBLASTX:Maize
Start	10756	End	11094
GI	none	Score	207
Exons	10756..11094, 10767..11093		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	10905	End	11250
GI	none	Score	104
Exons	10905..11249, 11050..11250		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	11103	End	11648
GI	none	Score	37
Exons	11103..11312, 11133..11234, 11304..11648, 11328..11501		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	11202	End	11649
GI	none	Score	52
Exons	11202..11648, 11299..11397, 11331..11513, 11467..11649		
Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o1.ts	Method	TBLASTX:Soybean

Start	11319	End	11783
GI	5509260	Score	58
Exons	11319..11783, 11338..11397, 11470..11565		
GI Descrip.	-		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o1.tc	Method	TBLASTX:Cress
Start	11430	End	11690
GI	none	Score	281
Exons	11430..11690		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	11703	End	12458
GI	none	Score	190
Exons	11703..11942, 11704..11862, 11720..11950, 11723..11938, 11956..12450, 12009..12458		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	12108	End	12506
GI	none	Score	38
Exons	12108..12281, 12235..12273, 12282..12506, 12297..12491, 12328..12498		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o5.tm	Method	TBLASTX:Maize
Start	12294	End	12728
GI	none	Score	84
Exons	12294..12728, 12319..12519		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o5.tw	Method	TBLASTX:Wheat
Start	12459	End	12797
GI	none	Score	63
Exons	12459..12797, 12480..12665		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	12929	End	13244
GI	none	Score	389
Exons	12929..13231, 12930..13244, 12931..13224		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-

Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	13750	End	14064
GI	none	Score	236
Exons	13750..13971, 13752..13961, 13754..13963, 13974..14054, 13975..14064		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o4.tw	Method	TBLASTX:Wheat
Start	13902	End	14346
GI	none	Score	78
Exons	13902..13997, 13908..13970, 13975..14058, 13977..14042, 14020..14151, 14060..14164, 14171..14314, 14172..14315, 14320..14346, 14321..14344		

Seq. No.	16859	Seq. ID	OJ990427_22.9C17.C7
Gene No.	35556	Strand	-
Start	18462	End	23056
Name	OJ990427_22.9C17.C7.o5.gs	Method	GENSCAN
Start	18462	End	23056
GI	none	Score	.52
Exons	18462..18611, 19493..19776, 19881..20091, 20638..21217, 21243..22250, 22698..23056		

Seq. No.	16860	Seq. ID	OJ990427_22.9C17.C8
Gene No.	35557	Strand	+
Start	324	End	2388
Name	OJ990427_22.9C17.C8.o1.gs	Method	GENSCAN
Start	324	End	2388
GI	none	Score	.88
Exons	324..343, 403..507, 605..689, 811..1011, 1103..1404, 1795..1948, 2030..2388		

Seq. No.	16860	Seq. ID	OJ990427_22.9C17.C8
Gene No.	35557	Strand	+
Start	324	End	2388
Name	OJ990427_22.9C17.C8.o1.np	Method	AAT/NAP
Start	629	End	2334
GI	3298547	Score	560
Exons	629..689, 811..1416, 1819..1948, 2030..2210, 2259..2334		
GI Descrip.	(AC004681) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16860	Seq. ID	OJ990427_22.9C17.C8
Gene No.	35558	Strand	-
Start	2743	End	2999
Name	OJ990427_22.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	501	End	993
GI	none	Score	49
Exons	501..536, 504..539, 626..712, 628..714, 806..991, 810..992, 811..993		

Seq. No.	16860	Seq. ID	OJ990427_22.9C17.C8
Gene No.	35558	Strand	-
Start	2743	End	2999
Name	OJ990427_22.9C17.C8.o2.gs	Method	GENSCAN

Start	2743	End	2999
GI	none	Score	1
Exons	2743..2999		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35559	Strand	+
Start	1	End	2411
Name	OJ990427_22.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	2218
GI	3298547	Score	181
Exons	1..122, 1023..1116, 1992..2218		
GI Descrip.	(AC004681) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35559	Strand	+
Start	1	End	2411
Name	OJ990427_22.9C17.C9.o1.gp	Method	AAT/GAP
Start	1015	End	2411
GI	uC-osrocyp012d12b1	Score	965
Exons	1015..1133, 2024..2411		
GI Descrip.	'3298547 2.0e-17 (AC004681) putative condensin protein [Arabidopsis thaliana]'		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35559	Strand	+
Start	1	End	2411
Name	OJ990427_22.9C17.C9.o1.gs	Method	GENSCAN
Start	1023	End	2239
GI	none	Score	.82
Exons	1023..1133, 2027..2239		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35560	Strand	+
Start	27169	End	28666
Name	OJ990427_22.9C17.C9.o4.gs	Method	GENSCAN
Start	27169	End	28666
GI	none	Score	.83
Exons	27169..27460, 27677..27752, 28603..28666		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35561	Strand	+
Start	29859	End	33724
Name	OJ990427_22.9C17.C9.o4.np	Method	AAT/NAP
Start	29859	End	33724
GI	3420054	Score	394
Exons	29859..30537, 31906..32016, 33618..33724		
GI Descrip.	(AC004680) unknown protein [Arabidopsis thaliana]		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35562	Strand	-
Start	3149	End	27295
Name	OJ990427_22.9C17.C9.o2.gs	Method	GENSCAN
Start	3149	End	6154
GI	none	Score	.59
Exons	3149..3269, 3601..3877, 4063..4231, 4313..4363, 4463..5263, 5690..5919, 5995..6154		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35562	Strand	-
Start	3149	End	27295
Name	OJ990427_22.9C17.C9.o2.np	Method	AAT/NAP
Start	3628	End	13827
GI	3935157	Score	2380
Exons	3628..3877, 4046..4231, 4462..5263, 5690..5919, 6046..6107, 10903..11021, 11599..11718, 11958..12115, 12203..12389, 12599..12767, 12803..12922, 13718..13827		
GI Descrip.	(AC005106) T25N20.21 [Arabidopsis thaliana]		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35562	Strand	-
Start	3149	End	27295
Name	OJ990427_22.9C17.C9.o3.gs	Method	GENSCAN
Start	7315	End	25524
GI	none	Score	.53
Exons	7315..7412, 7746..7906, 8317..8540, 8582..8852, 10903..11021, 11599..11721, 12001..12115, 12347..12389, 12466..12531, 12614..12736, 12813..12922, 13718..13869, 13977..14061, 14141..14241, 14334..14460, 14591..14751, 14837..14918, 17487..17539, 17615..17946, 18512..18629, 20263..20350, 20483..20559, 20638..20731, 22042..22133, 23106..23246, 23336..23446, 23552..23636, 23740..23852, 24160..24305, 25076..25208, 25432..25524		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35562	Strand	-
Start	3149	End	27295
Name	OJ990427_22.9C17.C9.o3.np	Method	AAT/NAP
Start	20629	End	27295
GI	4726111	Score	376
Exons	20629..20766, 21840..21963, 23098..23246, 23336..23483, 23579..23676, 23774..23834, 26514..26635, 27116..27295		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	3620	End	11721
GI	none	Score	72
Exons	3620..3859, 3665..3877, 3666..3878, 4040..4261, 4418..4519, 4500..4550, 4573..4620, 4580..4771, 4598..4759, 4602..4763, 4809..5192, 4850..5152, 5162..5263, 5205..5276, 5660..5920, 5667..5933, 5668..5892, 5685..5921, 5993..6127, 5994..6107, 10728..10799, 10735..10827, 10872..10958, 10903..10944, 10962..11021, 10972..11022, 11545..11682, 11597..11680, 11689..11721		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o3.tc	Method	TBLASTX:Cress
Start	3620	End	4177
GI	none	Score	86
Exons	3620..3805, 3659..3877, 3666..3878, 4037..4177		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o3.tw	Method	TBLASTX:Wheat
Start	3659	End	4213
GI	none	Score	155
Exons	3659..3877, 3666..3860, 4031..4213, 4043..4114		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	3659	End	5243
GI	none	Score	132
Exons	3659..3835, 3659..3856, 3666..3866, 4034..4258, 4460..4519, 4500..4595, 4530..4763, 4577..4771, 4589..5041, 4809..5129, 4809..5036, 4853..5152, 5084..5131, 5162..5242, 5190..5243		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o4.tc	Method	TBLASTX:Cress
Start	4577	End	4771
GI	none	Score	143
Exons	4577..4771, 4584..4763		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	4837	End	5156
GI	none	Score	70
Exons	4837..5043, 4842..5156, 4850..5155		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	4842	End	5041
GI	none	Score	133
Exons	4842..5036, 4853..5041		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	5048	End	6052
GI	none	Score	104
Exons	5048..5152, 5189..5263, 5660..5860, 5700..5858, 5852..5941, 5853..5921, 5993..6052, 5994..6050		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o4.tw	Method	TBLASTX:Wheat
Start	5189	End	5825

GI	none	Score	98
Exons	5189..5263, 5660..5824, 5681..5803, 5685..5825		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	5660	End	10769
GI	none	Score	173
Exons	5660..5941, 5685..5921, 5993..6127, 5994..6095, 10728..10769		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	6857	End	7560
GI	none	Score	140
Exons	6857..7030, 6858..7103, 7097..7450, 7114..7446, 7428..7556, 7453..7560		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o5.tw	Method	TBLASTX:Wheat
Start	7199	End	7635
GI	none	Score	128
Exons	7199..7450, 7201..7389, 7507..7635		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o8.tm	Method	TBLASTX:Maize
Start	7566	End	7854
GI	none	Score	149
Exons	7566..7712, 7570..7734, 7730..7804, 7750..7803, 7804..7854		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o4.tm	Method	TBLASTX:Maize
Start	8591	End	9037
GI	none	Score	322
Exons	8591..8845, 8594..8836, 8826..8918, 8951..9037		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	8659	End	9007
GI	none	Score	234
Exons	8659..8799, 8663..8845, 8957..9007		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o6.tm	Method	TBLASTX:Maize
Start	12077	End	12852

GI	none	Score	40
Exons	12077..12118, 12079..12111, 12232..12390, 12238..12387, 12457..12528, 12470..12532, 12504..12533, 12615..12737, 12617..12742, 12618..12737, 12804..12848, 12814..12852, 12814..12852		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	12280	End	13864
GI	none	Score	85
Exons	12280..12372, 12479..12532, 12615..12665, 12705..12734, 12764..12922, 12811..12924, 13720..13845, 13721..13864, 13722..13862		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o5.tm	Method	TBLASTX:Maize
Start	13795	End	14720
GI	none	Score	109
Exons	13795..13845, 13796..13870, 13800..13871, 13801..13875, 13971..14060, 13979..14062, 14140..14211, 14142..14225, 14146..14235, 14226..14273, 14330..14461, 14332..14463, 14352..14465, 14582..14662, 14587..14715, 14590..14718, 14592..14720		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o7.tm	Method	TBLASTX:Maize
Start	14731	End	15609
GI	none	Score	53
Exons	14731..14754, 14834..14881, 15020..15103, 15218..15301, 15255..15299, 15385..15492, 15398..15490, 15562..15609, 15563..15607		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	15269	End	15771
GI	none	Score	37
Exons	15269..15307, 15270..15314, 15385..15492, 15389..15484, 15562..15612, 15694..15771		

Seq. No.	16861	Seq. ID	OJ990427_22.9C17.C9
Gene No.	35563	Strand	-
Start	29052	End	37965
Name	OJ990427_22.9C17.C9.o5.gs	Method	GENSCAN
Start	29052	End	37965
GI	none	Score	.43
Exons	29052..29170, 29763..29874, 29996..30122, 30137..30660, 31764..31832, 32786..32903, 33806..33945, 34925..35005, 35213..35305, 37831..37965		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35564	Strand	+
Start	8069	End	8126
Name	OJ990427_22.9C17.C10.o1.gp	Method	AAT/GAP
Start	8069	End	8126
GI	51009_1.R1084	Score	66
Exons	8069..8126		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35565	Strand	-
Start	1530	End	7718
Name	OJ990427_22.9C17.C10.o1.np	Method	AAT/NAP
Start	1516	End	7595
GI	6686886	Score	1534
Exons	1516..2129, 2604..2711, 2808..2921, 3041..3150, 3297..3361, 3480..3715, 3818..3979, 4078..4195, 4315..4402, 4487..4592, 4733..4821, 4930..5079, 5207..5299, 5399..5465, 5793..5905, 6029..6124, 7539..7595		
GI Descrip.	(AJ270303) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35565	Strand	-
Start	1530	End	7718
Name	OJ990427_22.9C17.C10.o1.gs	Method	GENSCAN
Start	1530	End	7718
GI	none	Score	.81
Exons	1530..2129, 2604..2711, 2808..2921, 3041..3150, 3297..3385, 3519..3715, 3818..3929, 4320..4402, 4487..4592, 4733..4821, 4927..5079, 5207..5299, 5399..5465, 5793..5905, 6029..6124, 7539..7718		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.tc	Method	TBLASTX:Cress
Start	1572	End	2132
GI	none	Score	80
Exons	1572..1655, 1746..1943, 1789..1902, 1938..2132, 1969..2130		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o6.tm	Method	TBLASTX:Maize
Start	1702	End	4403
GI	none	Score	40
Exons	1702..1740, 1785..1865, 1786..1866, 1854..1946, 1873..1947, 1938..2132, 1969..2127, 3044..3157, 3521..3586, 3815..3970, 3822..3971, 4316..4399, 4317..4403		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o6.ts	Method	TBLASTX:Soybean
Start	1836	End	3619
GI	none	Score	63

Exons	1836..1946, 1888..1944, 1938..2132, 2005..2127, 2805..2939, 3041..3157, 3295..3354, 3491..3619		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o8.tc	Method	TBLASTX:Cress
Start	3521	End	5019
GI	none	Score	63
Exons	3521..3577, 3815..3949, 3816..3881, 4171..4197, 4308..4397, 4313..4402, 4313..4399, 4314..4421, 4487..4591, 4488..4616, 4732..4821, 4736..4819, 4941..5003, 4945..5019, 4945..5019		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o7.ts	Method	TBLASTX:Soybean
Start	4313	End	4782
GI	none	Score	112
Exons	4313..4399, 4314..4397, 4487..4597, 4487..4591, 4732..4782		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o5.tm	Method	TBLASTX:Maize
Start	4945	End	7628
GI	none	Score	90
Exons	4945..5031, 5065..5091, 5204..5293, 5399..5464, 5792..5908, 5793..5906, 6020..6127, 6030..6125, 7473..7628		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o3.ts	Method	TBLASTX:Soybean
Start	5053	End	7635
GI	none	Score	76
Exons	5053..5091, 5204..5299, 5223..5300, 5411..5464, 5792..5911, 5793..5912, 6020..6130, 6033..6128, 6047..6130, 7536..7634, 7546..7635		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o5.tc	Method	TBLASTX:Cress
Start	5056	End	7631
GI	none	Score	75
Exons	5056..5091, 5204..5293, 5399..5464, 5792..5908, 5792..5908, 5793..5909, 6020..6127, 6042..6125, 7536..7631, 7540..7629		
Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.gs	Method	GENSCAN
Start	8314	End	20859
GI	none	Score	.8
Exons	8314..8655, 8678..8813, 9169..9265, 9323..9485, 9544..9713, 9771..9810, 10031..10081, 11413..11642, 11722..11834,		

13067..13182, 13247..13369, 13761..13866, 13943..14096,
14191..14319, 14346..14468, 14721..14830, 15984..16084,
16260..16383, 16479..16671, 18672..18753, 18853..18902,
20203..20284, 20670..20704, 20749..20859

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o7.tm	Method	TBLASTX:Maize
Start	8348	End	8567
GI	none	Score	55
Exons	8348..8425, 8349..8435, 8350..8382, 8352..8426, 8422..8541, 8424..8489, 8432..8542, 8541..8567		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.np	Method	AAT/NAP
Start	8355	End	8994
GI	542190	Score	692
Exons	8355..8994		
GI Descrip.	hypothetical protein 1087 - maize gi|459269|emb|CAA54960| (X78029) transcribed sequence 1087 [Zea mays]		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	8355	End	8929
GI	none	Score	37
Exons	8355..8402, 8355..8435, 8422..8541, 8432..8548, 8591..8614, 8593..8652, 8609..8653, 8690..8764, 8709..8786, 8776..8904, 8777..8929		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.gp	Method	AAT/GAP
Start	8512	End	9336
GI	21085_2.R1084	Score	720
Exons	8512..8938, 9309..9336		
GI Descrip.	'542190/pir||S42933 6.0e-67 hypothetical protein 1087 - maize >gi_459269_emb_CAA54960_ (X78029) transcribed sequence 1087 [Zea mays]'		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o3.tm	Method	TBLASTX:Maize
Start	8569	End	8935
GI	none	Score	64
Exons	8569..8622, 8570..8623, 8581..8676, 8621..8674, 8621..8701, 8660..8767, 8673..8786, 8775..8906, 8776..8904, 8777..8929, 8912..8935		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-

Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o9.tc	Method	TBLASTX:Cress
Start	8590	End	8929
GI	none	Score	124
Exons	8590..8643, 8711..8767, 8776..8904, 8777..8929		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o3.np	Method	AAT/NAP
Start	9300	End	21034
GI	6692688	Score	3203
Exons	9300..9527, 9756..9956, 10031..10081, 10168..10965, 11413..11642, 11722..11834, 12857..12940, 13067..13182, 13247..13369, 13752..13866, 13943..14128, 14191..14259, 14346..14468, 14721..14830, 15597..15748, 15826..15894, 15941..16052, 16228..16383, 16479..16642, 16738..16819, 16901..16968, 17441..17518, 18527..18581, 18667..18753, 18853..18902, 20203..20300, 21012..21034		
GI Descrip.	(AC007592) F12K11.17 [Arabidopsis thaliana]		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.tw	Method	TBLASTX:Wheat
Start	9302	End	9935
GI	none	Score	76
Exons	9302..9394, 9303..9401, 9303..9527, 9328..9600, 9759..9935		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	9303	End	10728
GI	none	Score	125
Exons	9303..9527, 9325..9507, 9621..9656, 9759..9839, 9894..9959, 10055..10081, 10148..10477, 10159..10227, 10282..10728, 10529..10726		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o7.tc	Method	TBLASTX:Cress
Start	9303	End	9902
GI	none	Score	105
Exons	9303..9521, 9331..9471, 9759..9902		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o4.ts	Method	TBLASTX:Soybean
Start	9303	End	10227
GI	none	Score	131
Exons	9303..9527, 9328..9468, 9759..9968, 10049..10081, 10192..10227		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-

Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o3.gp	Method	AAT/GAP
Start	10023	End	10263
GI	2798066	Score	231
Exons	10023..10081, 10168..10263		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o6.tc	Method	TBLASTX:Cress
Start	10282	End	10528
GI	none	Score	140
Exons	10282..10521, 10292..10480, 10391..10528		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o5.ts	Method	TBLASTX:Soybean
Start	10285	End	13369
GI	none	Score	101
Exons	10285..10374, 11709..11840, 11720..11836, 12856..12981, 12866..12952, 13067..13183, 13069..13185, 13081..13185, 13235..13318, 13247..13330, 13251..13328, 13337..13369		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	10375	End	11635
GI	none	Score	95
Exons	10375..10965, 10376..10477, 10502..10960, 10525..10965, 11401..11634, 11404..11619, 11417..11635		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	10547	End	10861
GI	none	Score	284
Exons	10547..10861, 10558..10860		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o4.tc	Method	TBLASTX:Cress
Start	10547	End	10746
GI	none	Score	151
Exons	10547..10741, 10558..10746		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	10753	End	11779
GI	none	Score	81
Exons	10753..10965, 11401..11583, 11413..11574, 11414..11581, 11575..11652, 11576..11689, 11720..11779		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o2.tm	Method	TBLASTX:Maize
Start	10771	End	11827
GI	none	Score	74
Exons	10771..10965, 10775..10966, 11388..11615, 11389..11643, 11401..11652, 11402..11671, 11709..11822, 11720..11827, 11720..11824		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o3.tc	Method	TBLASTX:Cress
Start	11780	End	13330
GI	none	Score	51
Exons	11780..11836, 12856..12918, 12866..12916, 12917..12952, 13030..13185, 13067..13183, 13081..13185, 13229..13318, 13247..13330, 13251..13328		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o4.tm	Method	TBLASTX:Maize
Start	12856	End	14469
GI	none	Score	93
Exons	12856..12981, 12857..12952, 13067..13183, 13069..13185, 13229..13339, 13247..13339, 13335..13382, 13337..13369, 13812..13868, 13966..14076, 14006..14062, 14160..14261, 14192..14260, 14346..14396, 14347..14397, 14408..14464, 14416..14469		

Seq. No.	16862	Seq. ID	OJ990427_22.9C17.C10
Gene No.	35566	Strand	-
Start	8314	End	21034
Name	OJ990427_22.9C17.C10.o8.ts	Method	TBLASTX:Soybean
Start	14020	End	15742
GI	none	Score	86
Exons	14020..14064, 14161..14256, 14204..14260, 14347..14397, 14407..14472, 14716..14835, 15599..15742, 15603..15734, 15605..15742		

Seq. No.	16863	Seq. ID	OJ990427_22.9C17.C12
Gene No.	35567	Strand	-
Start	153	End	222
Name	OJ990427_22.9C17.C12.o1.gs	Method	GENSCAN
Start	153	End	222
GI	none	Score	.74
Exons	153..222		

Seq. No.	16864	Seq. ID	OJ990427_22.9C17.C13
Gene No.	35568	Strand	-
Start	4	End	879
Name	OJ990427_22.9C17.C13.o1.gs	Method	GENSCAN
Start	4	End	879
GI	none	Score	.94

Exons	4..879		
Seq. No.	16865	Seq. ID	OJ990427_22.9C17.C14
Gene No.	35569	Strand	-
Start	11	End	367
Name	OJ990427_22.9C17.C14.o1.gs	Method	GENSCAN
Start	11	End	367
GI	none	Score	.7
Exons	11..367		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35570	Strand	+
Start	923	End	6599
Name	OJ990427_22.9C17.C15.o1.gs	Method	GENSCAN
Start	923	End	4040
GI	none	Score	.7
Exons	923..1002, 1850..1903, 2261..2405, 2484..3323, 3405..3503, 3612..4040		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35570	Strand	+
Start	923	End	6599
Name	OJ990427_22.9C17.C15.o2.np	Method	AAT/NAP
Start	1550	End	6599
GI	4680186	Score	370
Exons	1550..1613, 5506..5560, 6399..6599		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523
Name	OJ990427_22.9C17.C15.o2.gs	Method	GENSCAN
Start	4507	End	7482
GI	none	Score	.52
Exons	4507..5011, 5027..5397, 6199..6244, 7415..7482		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523
Name	OJ990427_22.9C17.C15.o1.np	Method	AAT/NAP
Start	4528	End	7523
GI	4115365	Score	327
Exons	4528..5318, 5364..5444, 7402..7523		
GI Descrip.	(AC005957) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523
Name	OJ990427_22.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	4534	End	4767
GI	none	Score	38
Exons	4534..4767, 4535..4555, 4595..4765, 4600..4767		
Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523

Name	OJ990427_22.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	4543	End	4950
GI	none	Score	116
Exons	4543..4950, 4577..4942		

Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523
Name	OJ990427_22.9C17.C15.o2.ts	Method	TBLASTX:Soybean
Start	5198	End	5421
GI	none	Score	95
Exons	5198..5404, 5200..5421		

Seq. No.	16866	Seq. ID	OJ990427_22.9C17.C15
Gene No.	35571	Strand	-
Start	4507	End	7523
Name	OJ990427_22.9C17.C15.o1.gp	Method	AAT/GAP
Start	6151	End	6532
GI	uC-osflcyp033a04b1	Score	643
Exons	6151..6532		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35572	Strand	+
Start	1	End	75
Name	OJ990427_22.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	75
GI	4680185	Score	103
Exons	1..75		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o3.np	Method	AAT/NAP
Start	1	End	2998
GI	4206306	Score	947
Exons	1..30, 714..2998		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o1.gs	Method	GENSCAN
Start	1023	End	2879
GI	none	Score	.5
Exons	1023..1928, 2100..2879		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o2.tw	Method	TBLASTX:Wheat
Start	1248	End	1646
GI	none	Score	77
Exons	1248..1517, 1557..1646		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	1281	End	1691
GI	none	Score	85
Exons	1281..1532, 1378..1533, 1540..1689, 1554..1691		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o2.ts	Method	TBLASTX:Soybean
Start	1855	End	2312
GI	none	Score	80
Exons	1855..1983, 1872..2030, 2031..2312, 2182..2274		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o3.tw	Method	TBLASTX:Wheat
Start	1929	End	2310
GI	none	Score	64
Exons	1929..2030, 1992..2309, 2137..2310		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	1998	End	2459
GI	none	Score	193
Exons	1998..2459, 2182..2457		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o1.tw	Method	TBLASTX:Wheat
Start	2328	End	2732
GI	none	Score	274
Exons	2328..2681, 2329..2673, 2676..2732		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	2460	End	2678
GI	none	Score	211
Exons	2460..2678, 2461..2673		

Seq. No.	16867	Seq. ID	OJ990427_22.9C17.C16
Gene No.	35573	Strand	-
Start	1	End	2998
Name	OJ990427_22.9C17.C16.o3.ts	Method	TBLASTX:Soybean
Start	2529	End	2894
GI	none	Score	136
Exons	2529..2663, 2670..2894		

Seq. No.	16868	Seq. ID	OJ990427_22.9C17.C17

Gene No.	35574	Strand	-
Start	243	End	703
Name	OJ990427_22.9C17.C17.o1.gs	Method	GENSCAN
Start	243	End	703
GI	none	Score	.82
Exons	243..703		

Seq. No.	16868	Seq. ID	OJ990427_22.9C17.C17
Gene No.	35574	Strand	-
Start	243	End	703
Name	OJ990427_22.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	324	End	662
GI	none	Score	194
Exons	324..662		

Seq. No.	16869	Seq. ID	OJ990427_22.9C17.C20
Gene No.	35575	Strand	+
Start	213	End	3214
Name	OJ990427_22.9C17.C20.o1.gp	Method	AAT/GAP
Start	213	End	1425
GI	none	Score	647
Exons	213..248, 884..986, 1171..1425		

Seq. No.	16869	Seq. ID	OJ990427_22.9C17.C20
Gene No.	35575	Strand	+
Start	213	End	3214
Name	OJ990427_22.9C17.C20.o1.gs	Method	GENSCAN
Start	884	End	2829
GI	none	Score	.97
Exons	884..986, 1171..1497, 2695..2829		

Seq. No.	16869	Seq. ID	OJ990427_22.9C17.C20
Gene No.	35575	Strand	+
Start	213	End	3214
Name	OJ990427_22.9C17.C20.o2.gp	Method	AAT/GAP
Start	1460	End	3214
GI	none	Score	764
Exons	1460..1497, 2695..2852, 3005..3214		

Seq. No.	16869	Seq. ID	OJ990427_22.9C17.C20
Gene No.	35576	Strand	-
Start	3380	End	3925
Name	OJ990427_22.9C17.C20.o3.gp	Method	AAT/GAP
Start	3380	End	3925
GI	none	Score	1022
Exons	3380..3925		

Seq. No.	16869	Seq. ID	OJ990427_22.9C17.C20
Gene No.	35577	Strand	-
Start	5753	End	5825
Name	OJ990427_22.9C17.C20.o2.gs	Method	GENSCAN
Start	5753	End	5825
GI	none	Score	.69
Exons	5753..5825		

Seq. No.	16870	Seq. ID	OJ990517_10.9C03.C7
Gene No.	35578	Strand	

Start	104	End	706
Name	OJ990517_10.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	104	End	499
GI	none	Score	85
Exons	104..499, 204..398		

Seq. No.	16870	Seq. ID	OJ990517_10.9C03.C7
Gene No.	35578	Strand	
Start	104	End	706
Name	OJ990517_10.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	353	End	706
GI	none	Score	188
Exons	353..706		

Seq. No.	16871	Seq. ID	OJ990517_10.9C03.C10
Gene No.	35579	Strand	+
Start	1083	End	1154
Name	OJ990517_10.9C03.C10.o2.gp	Method	AAT/GAP
Start	1083	End	1154
GI	LIB3477-003-P1-K1-E9	Score	118
Exons	1083..1154		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16871	Seq. ID	OJ990517_10.9C03.C10
Gene No.	35580	Strand	-
Start	599	End	1082
Name	OJ990517_10.9C03.C10.o1.gp	Method	AAT/GAP
Start	599	End	1082
GI	LIB3432-059-P1-K1-D8	Score	641
Exons	599..851, 882..1082		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16872	Seq. ID	OJ990517_10.9C03.C11
Gene No.	35581	Strand	+
Start	100	End	187
Name	OJ990517_10.9C03.C11.o1.gp	Method	AAT/GAP
Start	100	End	187
GI	5867_1.R1084	Score	130
Exons	100..187		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	16873	Seq. ID	OJ990517_10.9C03.C12
Gene No.	35582	Strand	
Start	35	End	343
Name	OJ990517_10.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	35	End	343
GI	none	Score	69
Exons	35..109, 98..343		

Seq. No.	16874	Seq. ID	OJ990517_10.9C03.C13
Gene No.	35583	Strand	+
Start	1014	End	1108
Name	OJ990517_10.9C03.C13.o1.gp	Method	AAT/GAP
Start	1014	End	1108
GI	5867_1.R1084	Score	134
Exons	1014..1108		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	16874	Seq. ID	OJ990517_10.9C03.C13
Gene No.	35584	Strand	+
Start	1185	End	1268
Name	OJ990517_10.9C03.C13.o2.gp	Method	AAT/GAP
Start	1185	End	1268
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	1185..1268		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16875	Seq. ID	OJ990517_10.9C03.C15
Gene No.	35585	Strand	
Start	74	End	961
Name	OJ990517_10.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	74	End	961
GI	none	Score	92
Exons	74..214, 75..194, 212..412, 222..365, 417..917, 419..961		

Seq. No.	16875	Seq. ID	OJ990517_10.9C03.C15
Gene No.	35585	Strand	
Start	74	End	961
Name	OJ990517_10.9C03.C15.o1.tc	Method	TBLASTX:Cress
Start	248	End	670
GI	none	Score	47
Exons	248..412, 252..365, 417..662, 419..670		

Seq. No.	16875	Seq. ID	OJ990517_10.9C03.C15
Gene No.	35585	Strand	
Start	74	End	961
Name	OJ990517_10.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	605	End	920
GI	none	Score	123
Exons	605..919, 624..920		

Seq. No.	16875	Seq. ID	OJ990517_10.9C03.C15
Gene No.	35586	Strand	
Start	1082	End	1312
Name	OJ990517_10.9C03.C15.o2.tw	Method	TBLASTX:Wheat
Start	1082	End	1292
GI	none	Score	47

Exons	1082..1171, 1119..1160, 1172..1291, 1175..1291, 1176..1292		
Seq. No.	16875	Seq. ID	OJ990517_10.9C03.C15
Gene No.	35586	Strand	
Start	1082	End	1312
Name	OJ990517_10.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	1094	End	1312
GI	none	Score	87
Exons	1094..1288, 1098..1286, 1112..1312		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o2.ts	Method	TBLASTX:Soybean
Start	179	End	412
GI	none	Score	77
Exons	179..412, 188..388		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	248	End	668
GI	none	Score	73
Exons	248..442, 264..467, 467..667, 468..668		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	287	End	724
GI	none	Score	58
Exons	287..442, 288..443, 420..557, 461..559, 566..670, 573..680, 660..716, 668..724		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	512	End	859
GI	none	Score	98
Exons	512..859, 513..665, 705..854		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	593	End	988
GI	none	Score	126
Exons	593..856, 594..860, 869..988, 882..983		
Seq. No.	16876	Seq. ID	OJ990517_10.9C03.C16
Gene No.	35587	Strand	
Start	179	End	1264
Name	OJ990517_10.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	740	End	1264
GI	none	Score	91

Exons	740..859, 753..863, 872..979, 983..1264, 990..1175		
Seq. No.	16877	Seq. ID	OJ990517_10.9C03.C18
Gene No.	35588	Strand	
Start	376	End	797
Name	OJ990517_10.9C03.C18.o1.tw	Method	TBLASTX:Wheat
Start	376	End	797
GI	none	Score	36
Exons	376..429, 411..797, 529..651, 636..716		
Seq. No.	16877	Seq. ID	OJ990517_10.9C03.C18
Gene No.	35588	Strand	
Start	376	End	797
Name	OJ990517_10.9C03.C18.o1.tm	Method	TBLASTX:Maize
Start	507	End	767
GI	none	Score	99
Exons	507..653, 507..767, 529..753		
Seq. No.	16878	Seq. ID	OJ990517_10.9C03.C19
Gene No.	35589	Strand	
Start	9	End	155
Name	OJ990517_10.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	9	End	155
GI	none	Score	195
Exons	9..155, 77..154		
Seq. No.	16879	Seq. ID	OJ990517_10.9C03.C22
Gene No.	35590	Strand	
Start	203	End	499
Name	OJ990517_10.9C03.C22.o1.ts	Method	TBLASTX:Soybean
Start	203	End	460
GI	none	Score	196
Exons	203..460, 274..336, 379..450		
Seq. No.	16879	Seq. ID	OJ990517_10.9C03.C22
Gene No.	35590	Strand	
Start	203	End	499
Name	OJ990517_10.9C03.C22.o1.tm	Method	TBLASTX:Maize
Start	206	End	499
GI	none	Score	292
Exons	206..499, 233..370, 274..498		
Seq. No.	16879	Seq. ID	OJ990517_10.9C03.C22
Gene No.	35590	Strand	
Start	203	End	499
Name	OJ990517_10.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	263	End	499
GI	none	Score	171
Exons	263..499		
Seq. No.	16880	Seq. ID	OJ990517_10.9C03.C23
Gene No.	35591	Strand	
Start	21	End	624
Name	OJ990517_10.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	21	End	306
GI	none	Score	369
Exons	21..305, 22..306		

Seq. No.	16880	Seq. ID	OJ990517_10.9C03.C23
Gene No.	35591	Strand	
Start	21	End	624
Name	OJ990517_10.9C03.C23.o1.tw	Method	TBLASTX:Wheat
Start	21	End	420
GI	none	Score	506
Exons	21..419, 22..420		

Seq. No.	16880	Seq. ID	OJ990517_10.9C03.C23
Gene No.	35591	Strand	
Start	21	End	624
Name	OJ990517_10.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	40	End	576
GI	none	Score	440
Exons	40..576, 174..458, 193..462		

Seq. No.	16880	Seq. ID	OJ990517_10.9C03.C23
Gene No.	35591	Strand	
Start	21	End	624
Name	OJ990517_10.9C03.C23.o2.ts	Method	TBLASTX:Soybean
Start	328	End	573
GI	none	Score	201
Exons	328..573, 345..572		

Seq. No.	16880	Seq. ID	OJ990517_10.9C03.C23
Gene No.	35591	Strand	
Start	21	End	624
Name	OJ990517_10.9C03.C23.o2.tw	Method	TBLASTX:Wheat
Start	421	End	624
GI	none	Score	317
Exons	421..624, 424..621, 426..623		

Seq. No.	16881	Seq. ID	OJ990517_10.9C03.C24
Gene No.	35592	Strand	+
Start	739	End	1121
Name	OJ990517_10.9C03.C24.o1.gp	Method	AAT/GAP
Start	739	End	1121
GI	uC-osf1cyp033a04b1	Score	704
Exons	739..1121		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16881	Seq. ID	OJ990517_10.9C03.C24
Gene No.	35593	Strand	
Start	3277	End	3639
Name	OJ990517_10.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	3277	End	3639
GI	none	Score	195
Exons	3277..3639		

Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o3.ts	Method	TBLASTX:Soybean
Start	19	End	387
GI	none	Score	134

Exons	19..237, 253..387		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	181	End	590
GI	none	Score	598
Exons	181..588, 198..515, 258..590, 307..537, 491..589		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o2.tm	Method	TBLASTX:Maize
Start	241	End	456
GI	none	Score	305
Exons	241..456, 246..455		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	457	End	915
GI	none	Score	587
Exons	457..915, 459..515, 576..914		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	604	End	1067
GI	none	Score	205
Exons	604..885, 634..753, 639..842, 864..1067, 926..1066		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35594	Strand	
Start	19	End	1067
Name	OJ990517_10.9C03.C25.o2.tw	Method	TBLASTX:Wheat
Start	607	End	986
GI	none	Score	182
Exons	607..909, 885..986		
Seq. No.	16882	Seq. ID	OJ990517_10.9C03.C25
Gene No.	35595	Strand	
Start	1222	End	1477
Name	OJ990517_10.9C03.C25.o2.ts	Method	TBLASTX:Soybean
Start	1222	End	1477
GI	none	Score	185
Exons	1222..1356, 1223..1360, 1223..1360, 1378..1464, 1397..1477		
Seq. No.	16883	Seq. ID	OJ990517_10.9C03.C26
Gene No.	35596	Strand	
Start	13	End	324
Name	OJ990517_10.9C03.C26.o2.ts	Method	TBLASTX:Soybean
Start	13	End	324
GI	none	Score	204
Exons	13..324, 30..224		

Seq. No.	16883	Seq. ID	OJ990517_10.9C03.C26
Gene No.	35597	Strand	
Start	663	End	920
Name	OJ990517_10.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	663	End	908
GI	none	Score	248
Exons	663..908, 707..793, 869..904		

Seq. No.	16883	Seq. ID	OJ990517_10.9C03.C26
Gene No.	35597	Strand	
Start	663	End	920
Name	OJ990517_10.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	681	End	920
GI	none	Score	91
Exons	681..749, 744..812, 810..920		

Seq. No.	16884	Seq. ID	OJ990517_10.9C03.C34
Gene No.	35598	Strand	
Start	1	End	597
Name	OJ990517_10.9C03.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	411
GI	none	Score	200
Exons	1..411, 26..286		

Seq. No.	16884	Seq. ID	OJ990517_10.9C03.C34
Gene No.	35598	Strand	
Start	1	End	597
Name	OJ990517_10.9C03.C34.o2.ts	Method	TBLASTX:Soybean
Start	4	End	210
GI	none	Score	80
Exons	4..210, 47..205		

Seq. No.	16884	Seq. ID	OJ990517_10.9C03.C34
Gene No.	35598	Strand	
Start	1	End	597
Name	OJ990517_10.9C03.C34.o1.tw	Method	TBLASTX:Wheat
Start	157	End	588
GI	none	Score	97
Exons	157..414, 439..588		

Seq. No.	16884	Seq. ID	OJ990517_10.9C03.C34
Gene No.	35598	Strand	
Start	1	End	597
Name	OJ990517_10.9C03.C34.o1.ts	Method	TBLASTX:Soybean
Start	217	End	597
GI	none	Score	59
Exons	217..597, 464..580		

Seq. No.	16884	Seq. ID	OJ990517_10.9C03.C34
Gene No.	35598	Strand	
Start	1	End	597
Name	OJ990517_10.9C03.C34.o2.tm	Method	TBLASTX:Maize
Start	412	End	595
GI	none	Score	80
Exons	412..582, 412..594, 458..595		

Seq. No.	16885	Seq. ID	OJ990517_10.9C03.C35
Gene No.	35599	Strand	
Start	65	End	460
Name	OJ990517_10.9C03.C35.o2.tw	Method	TBLASTX:Wheat
Start	65	End	460
GI	none	Score	70
Exons	65..460, 204..311, 272..445		

Seq. No.	16885	Seq. ID	OJ990517_10.9C03.C35
Gene No.	35600	Strand	
Start	583	End	966
Name	OJ990517_10.9C03.C35.o1.tw	Method	TBLASTX:Wheat
Start	583	End	966
GI	none	Score	192
Exons	583..966, 584..958		

Seq. No.	16885	Seq. ID	OJ990517_10.9C03.C35
Gene No.	35600	Strand	
Start	583	End	966
Name	OJ990517_10.9C03.C35.o1.tm	Method	TBLASTX:Maize
Start	661	End	966
GI	none	Score	179
Exons	661..966, 662..949		

Seq. No.	16886	Seq. ID	OJ990517_10.9C03.C37
Gene No.	35601	Strand	
Start	4148	End	4421
Name	OJ990517_10.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	4148	End	4421
GI	none	Score	46
Exons	4148..4222, 4154..4204, 4155..4223, 4284..4421, 4286..4420, 4287..4421		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35602	Strand	
Start	1237	End	1670
Name	OJ990517_10.9C03.C47.o3.ts	Method	TBLASTX:Soybean
Start	1237	End	1487
GI	none	Score	43
Exons	1237..1278, 1242..1487, 1315..1485		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35602	Strand	
Start	1237	End	1670
Name	OJ990517_10.9C03.C47.o2.tw	Method	TBLASTX:Wheat
Start	1269	End	1670
GI	none	Score	63
Exons	1269..1670, 1297..1440		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35603	Strand	
Start	1851	End	2386
Name	OJ990517_10.9C03.C47.o2.tm	Method	TBLASTX:Maize
Start	1851	End	2207
GI	none	Score	88
Exons	1851..2075, 2070..2207		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35603	Strand	
Start	1851	End	2386
Name	OJ990517_10.9C03.C47.o4.ts	Method	TBLASTX:Soybean
Start	1920	End	2192
GI	none	Score	85
Exons	1920..2192, 2008..2121		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35603	Strand	
Start	1851	End	2386
Name	OJ990517_10.9C03.C47.o5.tw	Method	TBLASTX:Wheat
Start	1998	End	2386
GI	none	Score	100
Exons	1998..2054, 2085..2216, 2225..2386		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35604	Strand	
Start	2648	End	3091
Name	OJ990517_10.9C03.C47.o3.tw	Method	TBLASTX:Wheat
Start	2648	End	3046
GI	none	Score	73
Exons	2648..2917, 2957..3046		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35604	Strand	
Start	2648	End	3091
Name	OJ990517_10.9C03.C47.o1.ts	Method	TBLASTX:Soybean
Start	2681	End	3091
GI	none	Score	86
Exons	2681..2932, 2766..2933, 2940..3089, 2954..3091, 2954..3091		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35605	Strand	
Start	3239	End	3984
Name	OJ990517_10.9C03.C47.o2.ts	Method	TBLASTX:Soybean
Start	3239	End	3695
GI	none	Score	79
Exons	3239..3370, 3256..3375, 3414..3695, 3520..3657		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35605	Strand	
Start	3239	End	3984
Name	OJ990517_10.9C03.C47.o1.tm	Method	TBLASTX:Maize
Start	3384	End	3844
GI	none	Score	200
Exons	3384..3740, 3385..3693, 3737..3844, 3741..3842, 3743..3844		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47
Gene No.	35605	Strand	
Start	3239	End	3984
Name	OJ990517_10.9C03.C47.o4.tw	Method	TBLASTX:Wheat
Start	3390	End	3710
GI	none	Score	85
Exons	3390..3710, 3430..3693		

Seq. No.	16887	Seq. ID	OJ990517_10.9C03.C47

Gene No.	35605	Strand	
Start	3239	End	3984
Name	OJ990517_10.9C03.C47.o1.tw	Method	TBLASTX:Wheat
Start	3711	End	3984
GI	none	Score	108
Exons	3711..3740, 3726..3890, 3737..3880, 3881..3982, 3882..3980, 3884..3982, 3886..3984		

Seq. No.	16888	Seq. ID	OJ990517_10.9C03.C49
Gene No.	35606	Strand	
Start	29	End	313
Name	OJ990517_10.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	29	End	313
GI	none	Score	180
Exons	29..313		

Seq. No.	16889	Seq. ID	OJ990517_10.9C03.C53
Gene No.	35607	Strand	+
Start	284	End	665
Name	OJ990517_10.9C03.C53.o1.gp	Method	AAT/GAP
Start	284	End	665
GI	uC-osflcyp033a04b1	Score	651
Exons	284..665		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16890	Seq. ID	OJ990517_10.9C03.C54
Gene No.	35608	Strand	-
Start	1051	End	1143
Name	OJ990517_10.9C03.C54.o1.gp	Method	AAT/GAP
Start	1051	End	1143
GI	3760640	Score	100
Exons	1051..1143		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	16891	Seq. ID	OJ990517_10.9C03.C65
Gene No.	35609	Strand	
Start	4688	End	5296
Name	OJ990517_10.9C03.C65.o1.tw	Method	TBLASTX:Wheat
Start	4688	End	5296
GI	none	Score	63
Exons	4688..4819, 4692..4814, 4844..5296, 5040..5147		

Seq. No.	16891	Seq. ID	OJ990517_10.9C03.C65
Gene No.	35609	Strand	
Start	4688	End	5296
Name	OJ990517_10.9C03.C65.o1.tm	Method	TBLASTX:Maize
Start	4724	End	4990
GI	none	Score	47
Exons	4724..4807, 4725..4817, 4802..4921, 4808..4990		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35610	Strand	
Start	209	End	503
Name	OJ990517_10.9C03.C66.o5.tw	Method	TBLASTX:Wheat
Start	209	End	503

GI	none	Score	92
Exons	209..466, 213..503		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35611	Strand	
Start	506	End	914
Name	OJ990517_10.9C03.C66.o3.tw	Method	TBLASTX:Wheat
Start	506	End	914
GI	none	Score	62
Exons	506..682, 507..629, 689..913, 696..914		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35612	Strand	
Start	1004	End	1540
Name	OJ990517_10.9C03.C66.o1.ts	Method	TBLASTX:Soybean
Start	1004	End	1412
GI	none	Score	83
Exons	1004..1399, 1245..1397, 1281..1412		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35612	Strand	
Start	1004	End	1540
Name	OJ990517_10.9C03.C66.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	1484
GI	none	Score	299
Exons	1059..1484, 1061..1483		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35612	Strand	
Start	1004	End	1540
Name	OJ990517_10.9C03.C66.o2.tm	Method	TBLASTX:Maize
Start	1157	End	1540
GI	none	Score	197
Exons	1157..1540, 1158..1505		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35613	Strand	
Start	1568	End	2054
Name	OJ990517_10.9C03.C66.o1.tm	Method	TBLASTX:Maize
Start	1568	End	1924
GI	none	Score	210
Exons	1568..1924, 1569..1883		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35613	Strand	
Start	1568	End	2054
Name	OJ990517_10.9C03.C66.o2.tw	Method	TBLASTX:Wheat
Start	1599	End	2054
GI	none	Score	263
Exons	1599..1952, 1599..1643, 1600..1806, 1610..2005, 1926..2054, 1951..2046		

Seq. No.	16892	Seq. ID	OJ990517_10.9C03.C66
Gene No.	35614	Strand	
Start	2247	End	2630
Name	OJ990517_10.9C03.C66.o4.tw	Method	TBLASTX:Wheat
Start	2247	End	2630

GI	none	Score	37
Exons	2247..2483, 2257..2322, 2304..2471, 2321..2479, 2395..2481, 2520..2630		

Seq. No.	16893	Seq. ID	OJ990517_10.9C03.C67
Gene No.	35615	Strand	
Start	1115	End	1594
Name	OJ990517_10.9C03.C67.o1.tm	Method	TBLASTX:Maize
Start	1115	End	1367
GI	none	Score	77
Exons	1115..1339, 1133..1366, 1233..1367		

Seq. No.	16893	Seq. ID	OJ990517_10.9C03.C67
Gene No.	35615	Strand	
Start	1115	End	1594
Name	OJ990517_10.9C03.C67.o1.ts	Method	TBLASTX:Soybean
Start	1136	End	1555
GI	none	Score	53
Exons	1136..1294, 1146..1277, 1286..1498, 1286..1555, 1290..1514		

Seq. No.	16893	Seq. ID	OJ990517_10.9C03.C67
Gene No.	35615	Strand	
Start	1115	End	1594
Name	OJ990517_10.9C03.C67.o1.tw	Method	TBLASTX:Wheat
Start	1143	End	1594
GI	none	Score	101
Exons	1143..1307, 1148..1327, 1166..1318, 1246..1332, 1331..1582, 1332..1559, 1337..1594		

Seq. No.	16893	Seq. ID	OJ990517_10.9C03.C67
Gene No.	35616	Strand	
Start	2088	End	2480
Name	OJ990517_10.9C03.C67.o2.tw	Method	TBLASTX:Wheat
Start	2088	End	2480
GI	none	Score	87
Exons	2088..2363, 2143..2349, 2322..2435, 2332..2412, 2436..2480		

Seq. No.	16893	Seq. ID	OJ990517_10.9C03.C67
Gene No.	35616	Strand	
Start	2088	End	2480
Name	OJ990517_10.9C03.C67.o2.tm	Method	TBLASTX:Maize
Start	2202	End	2456
GI	none	Score	180
Exons	2202..2456		

Seq. No.	16894	Seq. ID	OJ990517_10.9C03.C68
Gene No.	35617	Strand	-
Start	1603	End	1711
Name	OJ990517_10.9C03.C68.o1.gp	Method	AAT/GAP
Start	1603	End	1711
GI	LIB3477-003-P1-K1-E9	Score	144
Exons	1603..1711		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69

Gene No.	35618	Strand	+
Start	5621	End	7177
Name	OJ990517_10.9C03.C69.o1.gp	Method	AAT/GAP
Start	5621	End	7127
GI	44750_1.R1084	Score	986
Exons	5621..5717, 6628..7004, 7085..7127		
GI Descrip.	'1657619 4.0e-18 (U72504) G5p [Arabidopsis thaliana] >gi_3068710 (AF049236) putative transmembrane protein G5p [Arabidopsis thaliana]'		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69
Gene No.	35618	Strand	+
Start	5621	End	7177
Name	OJ990517_10.9C03.C69.o1.tm	Method	TBLASTX:Maize
Start	6620	End	7177
GI	none	Score	462
Exons	6620..7003, 6627..7004, 6649..7005, 7082..7132, 7103..7177, 7115..7177		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69
Gene No.	35618	Strand	+
Start	5621	End	7177
Name	OJ990517_10.9C03.C69.o1.tw	Method	TBLASTX:Wheat
Start	6620	End	6820
GI	none	Score	215
Exons	6620..6820, 6627..6818		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69
Gene No.	35618	Strand	+
Start	5621	End	7177
Name	OJ990517_10.9C03.C69.o1.ts	Method	TBLASTX:Soybean
Start	6671	End	7168
GI	none	Score	309
Exons	6671..6979, 6672..7004, 7082..7168		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69
Gene No.	35618	Strand	+
Start	5621	End	7177
Name	OJ990517_10.9C03.C69.o1.tc	Method	TBLASTX:Cress
Start	6672	End	6956
GI	none	Score	255
Exons	6672..6956, 6674..6955		

Seq. No.	16895	Seq. ID	OJ990517_10.9C03.C69
Gene No.	35619	Strand	
Start	7847	End	8105
Name	OJ990517_10.9C03.C69.o2.tm	Method	TBLASTX:Maize
Start	7847	End	8105
GI	none	Score	69
Exons	7847..8104, 7961..8062, 7962..8105		

Seq. No.	16896	Seq. ID	OJ990517_10.9C03.C80
Gene No.	35620	Strand	+
Start	725	End	1107
Name	OJ990517_10.9C03.C80.o2.gp	Method	AAT/GAP
Start	725	End	1107
GI	uC-osflcyp033a04b1	Score	704

Exons	725..1107		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35621	Strand	
Start	111	End	659
Name	OJ990517_10.9C03.C82.o2.tw	Method	TBLASTX:Wheat
Start	111	End	473
GI	none	Score	280
Exons	111..473, 126..275, 143..472		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35621	Strand	
Start	111	End	659
Name	OJ990517_10.9C03.C82.o2.tm	Method	TBLASTX:Maize
Start	354	End	659
GI	none	Score	218
Exons	354..659, 368..532		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35622	Strand	
Start	1017	End	1445
Name	OJ990517_10.9C03.C82.o3.tm	Method	TBLASTX:Maize
Start	1017	End	1340
GI	none	Score	186
Exons	1017..1340		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35622	Strand	
Start	1017	End	1445
Name	OJ990517_10.9C03.C82.o3.tw	Method	TBLASTX:Wheat
Start	1023	End	1445
GI	none	Score	157
Exons	1023..1232, 1079..1171, 1277..1390, 1278..1445		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35623	Strand	
Start	1556	End	1938
Name	OJ990517_10.9C03.C82.o1.tw	Method	TBLASTX:Wheat
Start	1556	End	1938
GI	none	Score	52
Exons	1556..1891, 1560..1610, 1665..1895, 1681..1908, 1891..1938		
Seq. No.	16897	Seq. ID	OJ990517_10.9C03.C82
Gene No.	35623	Strand	
Start	1556	End	1938
Name	OJ990517_10.9C03.C82.o1.tm	Method	TBLASTX:Maize
Start	1571	End	1861
GI	none	Score	280
Exons	1571..1861, 1572..1859		
Seq. No.	16898	Seq. ID	OJ990517_10.9C03.C85
Gene No.	35624	Strand	+
Start	75	End	538
Name	OJ990517_10.9C03.C85.o1.gp	Method	AAT/GAP
Start	75	End	538

GI	LIB3432-059-P1-K1-D8	Score	727
Exons	75..538		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16899	Seq. ID	OJ990517_10.9C03.C87
Gene No.	35625	Strand	
Start	205	End	679
Name	OJ990517_10.9C03.C87.o2.tw	Method	TBLASTX:Wheat
Start	205	End	352
GI	none	Score	185
Exons	205..306, 206..352, 210..335, 263..337		

Seq. No.	16899	Seq. ID	OJ990517_10.9C03.C87
Gene No.	35625	Strand	
Start	205	End	679
Name	OJ990517_10.9C03.C87.o1.tm	Method	TBLASTX:Maize
Start	206	End	679
GI	none	Score	54
Exons	206..241, 238..330, 238..300, 239..679, 451..663		

Seq. No.	16899	Seq. ID	OJ990517_10.9C03.C87
Gene No.	35625	Strand	
Start	205	End	679
Name	OJ990517_10.9C03.C87.o1.tw	Method	TBLASTX:Wheat
Start	353	End	652
GI	none	Score	366
Exons	353..652, 359..649, 466..651		

Seq. No.	16900	Seq. ID	OJ990517_10.9C03.C92
Gene No.	35626	Strand	-
Start	1	End	483
Name	OJ990517_10.9C03.C92.o1.gp	Method	AAT/GAP
Start	1	End	483
GI	uC-osroM202038c10a1	Score	868
Exons	1..483		
GI Descrip.	'2792155/emb|CAA11226| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	16900	Seq. ID	OJ990517_10.9C03.C92
Gene No.	35626	Strand	-
Start	1	End	483
Name	OJ990517_10.9C03.C92.o1.tm	Method	TBLASTX:Maize
Start	26	End	263
GI	none	Score	277
Exons	26..253, 30..263, 32..256		

Seq. No.	16900	Seq. ID	OJ990517_10.9C03.C92
Gene No.	35626	Strand	-
Start	1	End	483
Name	OJ990517_10.9C03.C92.o1.ts	Method	TBLASTX:Soybean
Start	32	End	254
GI	none	Score	258
Exons	32..253, 40..111, 219..254		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35627	Strand	

Start	3405	End	13320
Name	OJ990517_10.9C03.C95.o1.tm	Method	TBLASTX:Maize
Start	3405	End	10691
GI	none	Score	97
Exons	3405..3521, 3405..3521, 3406..3522, 3523..3564, 3643..3822, 3643..3819, 3645..3824, 3651..3827, 4238..4420, 4250..4420, 4835..4912, 4835..4912, 6260..6397, 6261..6407, 6482..6610, 6483..6641, 10564..10644, 10572..10649, 10572..10691, 10573..10650		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35627	Strand	
Start	3405	End	13320
Name	OJ990517_10.9C03.C95.o3.ts	Method	TBLASTX:Soybean
Start	3637	End	4396
GI	none	Score	152
Exons	3637..3819, 3640..3819, 3642..3824, 4235..4396		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35627	Strand	
Start	3405	End	13320
Name	OJ990517_10.9C03.C95.o1.tc	Method	TBLASTX:Cress
Start	4794	End	6610
GI	none	Score	65
Exons	4794..4910, 4815..4910, 4832..4912, 4838..4921, 6260..6370, 6261..6368, 6483..6608, 6485..6610		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35627	Strand	
Start	3405	End	13320
Name	OJ990517_10.9C03.C95.o1.ts	Method	TBLASTX:Soybean
Start	6260	End	13305
GI	none	Score	67
Exons	6260..6367, 6260..6388, 6482..6610, 6490..6546, 6498..6611, 10572..10670, 10573..10671, 12019..12240, 12020..12241, 12038..12241, 12362..12448, 12363..12446, 12363..12449, 13209..13298, 13210..13305, 13210..13290, 13212..13301		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35627	Strand	
Start	3405	End	13320
Name	OJ990517_10.9C03.C95.o2.tm	Method	TBLASTX:Maize
Start	12146	End	13320
GI	none	Score	129
Exons	12146..12241, 12148..12240, 12362..12451, 12363..12449, 13200..13307, 13200..13304, 13201..13320		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35628	Strand	
Start	17972	End	19011
Name	OJ990517_10.9C03.C95.o2.ts	Method	TBLASTX:Soybean
Start	17972	End	18263
GI	none	Score	54
Exons	17972..18085, 17988..18086, 18138..18263, 18142..18228, 18171..18257		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95

Gene No.	35628	Strand	
Start	17972	End	19011
Name	OJ990517_10.9C03.C95.o3.tm	Method	TBLASTX:Maize
Start	17972	End	19011
GI	none	Score	50
Exons	17972..18025, 18008..18085, 18012..18086, 18138..18263, 18139..18252, 18820..19011, 18821..18973		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35628	Strand	
Start	17972	End	19011
Name	OJ990517_10.9C03.C95.o3.tc	Method	TBLASTX:Cress
Start	17978	End	18263
GI	none	Score	51
Exons	17978..18085, 17979..18077, 18138..18263, 18142..18246		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35628	Strand	
Start	17972	End	19011
Name	OJ990517_10.9C03.C95.o2.tc	Method	TBLASTX:Cress
Start	18820	End	19011
GI	none	Score	150
Exons	18820..19011, 18821..18979		

Seq. No.	16901	Seq. ID	OJ990517_10.9C03.C95
Gene No.	35629	Strand	
Start	19956	End	20131
Name	OJ990517_10.9C03.C95.o4.tm	Method	TBLASTX:Maize
Start	19956	End	20131
GI	none	Score	140
Exons	19956..20078, 19967..20131, 19967..20098		

Seq. No.	16902	Seq. ID	OJ990517_10.9C03.C96
Gene No.	35630	Strand	-
Start	5870	End	5928
Name	OJ990517_10.9C03.C96.o1.gp	Method	AAT/GAP
Start	5870	End	5928
GI	uC-osf1M202083h12b1	Score	72
Exons	5870..5928		
GI Descrip.	'552857 3.0e-25 (M31464) atpB gene product [Oryza sativa]'		

Seq. No.	16903	Seq. ID	OJ990517_10.9C03.C97
Gene No.	35631	Strand	+
Start	492	End	625
Name	OJ990517_10.9C03.C97.o1.gp	Method	AAT/GAP
Start	492	End	625
GI	3759653	Score	160
Exons	492..625		
GI Descrip.	3025870 8.0e-71 (AF055706) ribosomal protein S4 [Oryza sativa]		

Seq. No.	16904	Seq. ID	OJ990517_10.9C03.C101
Gene No.	35632	Strand	
Start	514	End	736
Name	OJ990517_10.9C03.C101.o1.ts	Method	TBLASTX:Soybean
Start	514	End	736
GI	none	Score	257
Exons	514..735, 515..736, 533..736		

Seq. No.	16905	Seq. ID	OJ990517_10.9C03.C105
Gene No.	35633	Strand	+
Start	217	End	533
Name	OJ990517_10.9C03.C105.o1.tm	Method	TBLASTX:Maize
Start	208	End	466
GI	none	Score	284
Exons	208..444, 210..314, 217..438,	218..466	

Seq. No.	16905	Seq. ID	OJ990517_10.9C03.C105
Gene No.	35633	Strand	+
Start	217	End	533
Name	OJ990517_10.9C03.C105.o1.ts	Method	TBLASTX:Soybean
Start	208	End	471
GI	none	Score	260
Exons	208..471, 219..314		

Seq. No.	16905	Seq. ID	OJ990517_10.9C03.C105
Gene No.	35633	Strand	+
Start	217	End	533
Name	OJ990517_10.9C03.C105.o1.tc	Method	TBLASTX:Cress
Start	214	End	444
GI	none	Score	135
Exons	214..348, 216..314, 325..444,	375..437	

Seq. No.	16905	Seq. ID	OJ990517_10.9C03.C105
Gene No.	35633	Strand	+
Start	217	End	533
Name	OJ990517_10.9C03.C105.o1.gp	Method	AAT/GAP
Start	217	End	533
GI	72092_1.R1084	Score	604
Exons	217..533		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-30 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	16906	Seq. ID	OJ990517_10.9C03.C111
Gene No.	35634	Strand	-
Start	301	End	530
Name	OJ990517_10.9C03.C111.o1.gp	Method	AAT/GAP
Start	301	End	530
GI	2312133	Score	186
Exons	301..363, 453..530		

Seq. No.	16907	Seq. ID	OJ990517_10.9C03.C112
Gene No.	35635	Strand	
Start	9	End	251
Name	OJ990517_10.9C03.C112.o1.tm	Method	TBLASTX:Maize
Start	9	End	251
GI	none	Score	287
Exons	9..251, 11..229		

Seq. No.	16907	Seq. ID	OJ990517_10.9C03.C112
Gene No.	35635	Strand	
Start	9	End	251
Name	OJ990517_10.9C03.C112.o1.ts	Method	TBLASTX:Soybean
Start	45	End	251
GI	none	Score	184

Exons	45..251, 50..208		
Seq. No.	16908	Seq. ID	OJ990727_12.9C10.C1
Gene No.	35636	Strand	+
Start	1	End	401
Name	OJ990727_12.9C10.C1.o1.gs	Method	GENSCAN
Start	1	End	260
GI	none	Score	.68
Exons	1..260		
Seq. No.	16908	Seq. ID	OJ990727_12.9C10.C1
Gene No.	35636	Strand	+
Start	1	End	401
Name	OJ990727_12.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	401
GI	1351406	Score	318
Exons	1..401		
GI Descrip.	REPLICATION GENE A PROTEIN (GPA) gi|3337286 (U32222) A protein [Bacteriophage 186]		
Seq. No.	16909	Seq. ID	OJ990727_12.9C10.C3
Gene No.	35637	Strand	-
Start	1	End	530
Name	OJ990727_12.9C10.C3.o1.gp	Method	AAT/GAP
Start	1	End	526
GI	342_1.R1084	Score	694
Exons	1..526		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16909	Seq. ID	OJ990727_12.9C10.C3
Gene No.	35637	Strand	-
Start	1	End	530
Name	OJ990727_12.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	530
GI	4680203	Score	425
Exons	1..530		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	16909	Seq. ID	OJ990727_12.9C10.C3
Gene No.	35637	Strand	-
Start	1	End	530
Name	OJ990727_12.9C10.C3.o1.gs	Method	GENSCAN
Start	71	End	293
GI	none	Score	.92
Exons	71..293		
Seq. No.	16909	Seq. ID	OJ990727_12.9C10.C3
Gene No.	35638	Strand	-
Start	1101	End	1182
Name	OJ990727_12.9C10.C3.o2.gp	Method	AAT/GAP
Start	1101	End	1182
GI	LIB3477-003-P1-K1-E9	Score	143
Exons	1101..1182		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16910	Seq. ID	OJ990727_12.9C10.C4
Gene No.	35639	Strand	+
Start	192	End	920
Name	OJ990727_12.9C10.C4.o1.gs	Method	GENSCAN
Start	192	End	920
GI	none	Score	.78
Exons	192..269, 834..920		

Seq. No.	16910	Seq. ID	OJ990727_12.9C10.C4
Gene No.	35640	Strand	+
Start	3602	End	5105
Name	OJ990727_12.9C10.C4.o1.gp	Method	AAT/GAP
Start	3602	End	5105
GI	15334_1.R1084	Score	769
Exons	3602..3958, 5042..5105		
GI Descrip.	'4981053/gb|AAD35624.1|AE001729_4 1.0e-73 (AE001729) tryptophan synthase, beta subunit [Thermotoga maritima]'		

Seq. No.	16910	Seq. ID	OJ990727_12.9C10.C4
Gene No.	35641	Strand	-
Start	2452	End	4150
Name	OJ990727_12.9C10.C4.o2.gs	Method	GENSCAN
Start	2452	End	4150
GI	none	Score	.92
Exons	2452..2617, 3941..4150		

Seq. No.	16911	Seq. ID	OJ990727_12.9C10.C6
Gene No.	35642	Strand	-
Start	1	End	1326
Name	OJ990727_12.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	1326
GI	4680209	Score	686
Exons	1..197, 289..427, 674..754, 989..1326		
GI Descrip.	(AF114171) unknown [Sorghum bicolor]		

Seq. No.	16911	Seq. ID	OJ990727_12.9C10.C6
Gene No.	35642	Strand	-
Start	1	End	1326
Name	OJ990727_12.9C10.C6.o1.gs	Method	GENSCAN
Start	45	End	1275
GI	none	Score	.78
Exons	45..197, 460..856, 1067..1275		

Seq. No.	16911	Seq. ID	OJ990727_12.9C10.C6
Gene No.	35642	Strand	-
Start	1	End	1326
Name	OJ990727_12.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	286	End	566
GI	none	Score	196
Exons	286..558, 291..557, 348..566		

Seq. No.	16911	Seq. ID	OJ990727_12.9C10.C6
Gene No.	35642	Strand	-
Start	1	End	1326
Name	OJ990727_12.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	576	End	896

GI	none	Score	120
Exons	576..896, 577..819		

Seq. No.	16912	Seq. ID	OJ990727_12.9C10.C7
Gene No.	35643	Strand	+
Start	985	End	1133
Name	OJ990727_12.9C10.C7.o1.gs	Method	GENSCAN
Start	985	End	1133
GI	none	Score	.43
Exons	985..1133		

Seq. No.	16912	Seq. ID	OJ990727_12.9C10.C7
Gene No.	35644	Strand	+
Start	1703	End	1803
Name	OJ990727_12.9C10.C7.o1.gp	Method	AAT/GAP
Start	1703	End	1803
GI	5886_1.R1084	Score	137
Exons	1703..1803		
GI Descrip.	'11957/emb|X15901|CHOSXX 0.0e+00 Rice complete chloroplast genome'		

Seq. No.	16912	Seq. ID	OJ990727_12.9C10.C7
Gene No.	35645	Strand	-
Start	1858	End	3026
Name	OJ990727_12.9C10.C7.o1.np	Method	AAT/NAP
Start	1858	End	3026
GI	629810	Score	99
Exons	1858..2030, 2991..3026		
GI Descrip.	hypothetical protein 18 (coxI 5' region) - rice mitochondrion gi|870712 (M57903) unknown protein [Oryza sativa]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35646	Strand	+
Start	1	End	239
Name	OJ990727_12.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	239
GI	5929906	Score	213
Exons	1..239		
GI Descrip.	(AF162150) COP1-interacting protein CIP8 [Arabidopsis thaliana]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35646	Strand	+
Start	1	End	239
Name	OJ990727_12.9C10.C8.o1.gs	Method	GENSCAN
Start	54	End	233
GI	none	Score	.95
Exons	54..233		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35647	Strand	+
Start	2302	End	11428
Name	OJ990727_12.9C10.C8.o2.gs	Method	GENSCAN
Start	2302	End	11083
GI	none	Score	.45
Exons	2302..2318, 3184..3304, 3331..3631, 4344..4441, 5342..5393, 6367..6530, 9473..9611, 9741..9820, 10922..11083		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35647	Strand	+
Start	2302	End	11428
Name	OJ990727_12.9C10.C8.o1.gp	Method	AAT/GAP
Start	9533	End	11428
GI	none	Score	1449
Exons	9533..9820, 10958..11428		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35647	Strand	+
Start	2302	End	11428
Name	OJ990727_12.9C10.C8.o2.np	Method	AAT/NAP
Start	9677	End	11080
GI	6361344	Score	441
Exons	9677..9820, 10958..11080		
GI Descrip.	(AB020505) phytosulfokine-alpha precursor [Oryza sativa]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35648	Strand	+
Start	30334	End	31656
Name	OJ990727_12.9C10.C8.o6.gs	Method	GENSCAN
Start	30334	End	31656
GI	none	Score	.61
Exons	30334..30361, 31001..31233, 31639..31656		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35649	Strand	+
Start	37319	End	42340
Name	OJ990727_12.9C10.C8.o6.np	Method	AAT/NAP
Start	37319	End	41722
GI	5441874	Score	2872
Exons	37319..37676, 37750..39556, 41672..41722		
GI Descrip.	(AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35649	Strand	+
Start	37319	End	42340
Name	OJ990727_12.9C10.C8.o8.gs	Method	GENSCAN
Start	37319	End	42340
GI	none	Score	.8
Exons	37319..37641, 37712..39502, 40090..40148, 42111..42340		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35649	Strand	+
Start	37319	End	42340
Name	OJ990727_12.9C10.C8.o2.gp	Method	AAT/GAP
Start	38732	End	39418
GI	18081_1.R1084	Score	1263
Exons	38732..39418		
GI Descrip.	'5441874/dbj|BAA82373.1| 9.0e-79 (AP000366) Similar to maize transposon MuDR mudrA-like protein. (AC002340) [Oryza sativa]'		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35650	Strand	+
Start	45033	End	47955
Name	OJ990727_12.9C10.C8.o10.gs	Method	GENSCAN

Start	45033	End	47955
GI	none	Score	.71
Exons	45033..45179, 45211..45532, 45718..45782, 46439..46763, 46843..47042, 47713..47955		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35651	Strand	+
Start	54732	End	58723
Name	OJ990727_12.9C10.C8.o12.gs	Method	GENSCAN
Start	54732	End	58723
GI	none	Score	.65
Exons	54732..54779, 58325..58723		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35652	Strand	-
Start	17145	End	17398
Name	OJ990727_12.9C10.C8.o3.np	Method	AAT/NAP
Start	17145	End	17398
GI	862343	Score	105
Exons	17145..17398		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35653	Strand	-
Start	25455	End	25841
Name	OJ990727_12.9C10.C8.o4.np	Method	AAT/NAP
Start	25451	End	25823
GI	4539294	Score	93
Exons	25451..25823		
GI Descrip.	(AL049480) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35653	Strand	-
Start	25455	End	25841
Name	OJ990727_12.9C10.C8.o4.gs	Method	GENSCAN
Start	25455	End	25841
GI	none	Score	.75
Exons	25455..25841		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35654	Strand	-
Start	27085	End	29516
Name	OJ990727_12.9C10.C8.o5.gs	Method	GENSCAN
Start	27085	End	29516
GI	none	Score	.56
Exons	27085..27207, 27258..27390, 27863..28011, 28379..28555, 29316..29516		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35655	Strand	-
Start	30126	End	45497
Name	OJ990727_12.9C10.C8.o5.np	Method	AAT/NAP
Start	30126	End	35262
GI	5852176	Score	843

Exons	30126..30147, 33965..34510, 35119..35262		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35655	Strand	-
Start	30126	End	45497
Name	OJ990727_12.9C10.C8.o7.gs	Method	GENSCAN
Start	32983	End	36948
GI	none	Score	.57
Exons	32983..33029, 33980..34136, 34241..34384, 34805..34911, 35119..35257, 35582..35629, 36205..36546, 36937..36948		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35655	Strand	-
Start	30126	End	45497
Name	OJ990727_12.9C10.C8.o7.np	Method	AAT/NAP
Start	35568	End	45497
GI	4680204	Score	55
Exons	35568..35629, 45226..45497		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35655	Strand	-
Start	30126	End	45497
Name	OJ990727_12.9C10.C8.o9.gs	Method	GENSCAN
Start	43278	End	44893
GI	none	Score	.82
Exons	43278..43349, 43593..43859, 43889..44117, 44258..44461, 44808..44893		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o2.tc	Method	TBLASTX:Cress
Start	5	End	185
GI	none	Score	221
Exons	5..130, 6..185		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	6	End	246
GI	none	Score	238
Exons	6..182, 6..128, 7..246, 8..130, 73..201		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o3.ts	Method	TBLASTX:Soybean
Start	6	End	191
GI	none	Score	240
Exons	6..191, 8..124		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413

Name	OJ990727_12.9C10.C8.o4.ts	Method	TBLASTX:Soybean
Start	37300	End	37615
GI	none	Score	111
Exons	37300..37485, 37316..37468, 37480..37584, 37481..37615, 37484..37615		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o3.tc	Method	TBLASTX:Cress
Start	37316	End	37654
GI	none	Score	115
Exons	37316..37468, 37339..37422, 37493..37654, 37504..37653		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o2.tw	Method	TBLASTX:Wheat
Start	37564	End	38046
GI	none	Score	84
Exons	37564..37644, 37565..37627, 37569..37637, 37625..37654, 37757..37819, 37779..38045, 37781..38041, 37867..38046		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	37836	End	38252
GI	none	Score	307
Exons	37836..38252		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o5.ts	Method	TBLASTX:Soybean
Start	37863	End	38048
GI	none	Score	191
Exons	37863..38048, 37865..38047		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	37946	End	38478
GI	none	Score	581
Exons	37946..38422, 37949..38416, 37950..38432, 37950..38441, 38381..38473, 38407..38478, 38427..38474		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	38097	End	38345
GI	none	Score	251
Exons	38097..38345, 38097..38309		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8

Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	38924	End	39533
GI	none	Score	260
Exons	38924..39088, 38931..39092, 39089..39355, 39089..39367, 39090..39377, 39357..39533, 39357..39533		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	39020	End	39693
GI	none	Score	453
Exons	39020..39358, 39021..39362, 39333..39545, 39334..39546, 39360..39551, 39586..39609, 39593..39682, 39661..39693		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	39134	End	39543
GI	none	Score	253
Exons	39134..39367, 39135..39368, 39411..39542, 39475..39543		

Seq. No.	16913	Seq. ID	OJ990727_12.9C10.C8
Gene No.	35656	Strand	-
Start	52245	End	53413
Name	OJ990727_12.9C10.C8.o11.gs	Method	GENSCAN
Start	52245	End	53413
GI	none	Score	.42
Exons	52245..52413, 53346..53413		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35657	Strand	+
Start	2095	End	5745
Name	OJ990727_12.9C10.C9.o2.gs	Method	GENSCAN
Start	2095	End	5745
GI	none	Score	.58
Exons	2095..2204, 2495..3774, 3877..3917, 4159..5283, 5324..5360, 5411..5745		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35657	Strand	+
Start	2095	End	5745
Name	OJ990727_12.9C10.C9.o2.np	Method	AAT/NAP
Start	2514	End	5742
GI	6907089	Score	4252
Exons	2514..3774, 3877..5742		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35658	Strand	-
Start	58	End	2583
Name	OJ990727_12.9C10.C9.o1.np	Method	AAT/NAP
Start	58	End	2583
GI	5042425	Score	570

Exons	58..688, 2533..2583		
GI Descrip.	(AC006193) Putative Cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35658	Strand	-
Start	58	End	2583
Name	OJ990727_12.9C10.C9.o1.gs	Method	GENSCAN
Start	168	End	1525
GI	none	Score	.61
Exons	168..836, 958..1128, 1451..1525		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	105	End	693
GI	none	Score	125
Exons	105..296, 106..258, 168..281, 288..527, 306..509, 307..510, 540..689, 550..693		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o2.tw	Method	TBLASTX:Wheat
Start	105	End	417
GI	none	Score	318
Exons	105..416, 106..417		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	123	End	689
GI	none	Score	252
Exons	123..569, 124..510, 555..689		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	153	End	699
GI	none	Score	52
Exons	153..287, 157..252, 279..536, 307..510, 534..698, 550..699		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o5.tm	Method	TBLASTX:Maize
Start	6368	End	6514
GI	none	Score	126
Exons	6368..6514, 6375..6509		
Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o3.gs	Method	GENSCAN
Start	6371	End	12071

GI	none	Score	.91
Exons	6371..8113, 8147..9572, 9590..10139, 10230..10445, 10554..10894, 11072..11412, 11465..11671, 11997..12071		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o3.np	Method	AAT/NAP
Start	6374	End	10891
GI	6498441	Score	5910
Exons	6374..6655, 6749..8146, 8318..9072, 9124..10891		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o6.tw	Method	TBLASTX:Wheat
Start	6383	End	6985
GI	none	Score	77
Exons	6383..6508, 6387..6509, 6696..6842, 6701..6985, 6882..6980		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o3.tw	Method	TBLASTX:Wheat
Start	6986	End	7367
GI	none	Score	232
Exons	6986..7366, 7017..7367		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	7172	End	7504
GI	none	Score	81
Exons	7172..7384, 7181..7504, 7194..7475		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o7.tw	Method	TBLASTX:Wheat
Start	7697	End	8009
GI	none	Score	63
Exons	7697..7972, 7833..8009		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	7757	End	8323
GI	5666795	Score	68
Exons	7757..7972, 8012..8149, 8225..8323		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9

Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o5.tw	Method	TBLASTX:Wheat
Start	8012	End	8470
GI	none	Score	88
Exons	8012..8161, 8013..8150, 8205..8381, 8222..8446, 8249..8470		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o8.tw	Method	TBLASTX:Wheat
Start	8934	End	9110
GI	none	Score	109
Exons	8934..9110, 8945..9109		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	9110	End	9466
GI	none	Score	73
Exons	9110..9226, 9110..9466, 9120..9431		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	9134	End	9523
GI	none	Score	302
Exons	9134..9523, 9141..9521		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o4.tw	Method	TBLASTX:Wheat
Start	10351	End	10740
GI	none	Score	99
Exons	10351..10608, 10385..10624, 10591..10689, 10592..10684, 10696..10740		

Seq. No.	16914	Seq. ID	OJ990727_12.9C10.C9
Gene No.	35659	Strand	-
Start	6371	End	12071
Name	OJ990727_12.9C10.C9.o4.tm	Method	TBLASTX:Maize
Start	10453	End	10701
GI	none	Score	102
Exons	10453..10701, 10454..10699		

Seq. No.	16915	Seq. ID	OJ990727_12.9C10.C10
Gene No.	35660	Strand	-
Start	1	End	119
Name	OJ990727_12.9C10.C10.o1.gp	Method	AAT/GAP
Start	1	End	119
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	1..119		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	16915	Seq. ID	OJ990727_12.9C10.C10
Gene No.	35661	Strand	-
Start	220	End	1522
Name	OJ990727_12.9C10.C10.o1.gs	Method	GENSCAN
Start	220	End	1522
GI	none	Score	.95
Exons	220..402, 486..584, 682..754, 838..948, 1374..1522		

Seq. No.	16916	Seq. ID	OJ990727_12.9C10.C11
Gene No.	35662	Strand	+
Start	870	End	1251
Name	OJ990727_12.9C10.C11.o1.gp	Method	AAT/GAP
Start	870	End	1251
GI	uC-osf1cyp033a04b1	Score	663
Exons	870..1251		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16916	Seq. ID	OJ990727_12.9C10.C11
Gene No.	35663	Strand	-
Start	728	End	3977
Name	OJ990727_12.9C10.C11.o1.gs	Method	GENSCAN
Start	728	End	3977
GI	none	Score	.51
Exons	728..1003, 2182..2298, 3031..3067, 3350..3405, 3508..3837, 3913..3977		

Seq. No.	16916	Seq. ID	OJ990727_12.9C10.C11
Gene No.	35663	Strand	-
Start	728	End	3977
Name	OJ990727_12.9C10.C11.o1.np	Method	AAT/NAP
Start	803	End	1893
GI	4680186	Score	363
Exons	803..1003, 1840..1893		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o1.gp	Method	AAT/GAP
Start	1	End	1677
GI	342_1.R1084	Score	2904
Exons	1..1677		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1131
GI	none	Score	121
Exons	1..129, 3..128, 76..168, 108..167, 174..197, 174..218, 179..220, 213..1130, 228..590, 229..1131		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o1.np	Method	AAT/NAP
Start	298	End	1677
GI	6742729	Score	2159
Exons	298..1677		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	396	End	843
GI	none	Score	189
Exons	396..839, 396..839, 400..843, 406..843		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	741	End	1217
GI	none	Score	75
Exons	741..1217, 811..948, 1002..1079		

Seq. No.	16917	Seq. ID	OJ990727_12.9C10.C12
Gene No.	35664	Strand	-
Start	1	End	1677
Name	OJ990727_12.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	1132	End	1542
GI	none	Score	81
Exons	1132..1218, 1134..1217, 1251..1469, 1300..1473, 1479..1541, 1495..1542		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35665	Strand	+
Start	9034	End	10459
Name	OJ990727_12.9C10.C13.o2.np	Method	AAT/NAP
Start	9034	End	10459
GI	5852084	Score	107
Exons	9034..9066, 10376..10459		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.gs	Method	GENSCAN
Start	3870	End	16125
GI	none	Score	.67
Exons	3870..4397, 4749..4796, 4866..5102, 5231..5267, 7124..7603, 12562..12757, 12813..12925, 13018..13483, 13566..13769, 13880..14032, 14580..14923, 15556..15626, 15812..16125		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o1.np	Method	AAT/NAP

Start	3942	End	7452
GI	6016726	Score	980
Exons	3942..4397, 4749..4796, 4866..5102, 5231..5267, 7124..7356, 7384..7452		
GI Descrip.	(AC009325) unknown protein [Arabidopsis thaliana] gi|6091713|gb|AAF03425.1|AC010797_1 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.tc	Method	TBLASTX:Cress
Start	3963	End	7323
GI	none	Score	109
Exons	3963..4148, 3963..4148, 3978..4169, 4005..4100, 4227..4343, 4228..4332, 4338..4403, 4339..4398, 4749..4799, 4759..4797, 4860..5105, 4861..5103, 4866..5123, 5232..5264, 7117..7179, 7120..7323, 7121..7306		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	3963	End	4899
GI	none	Score	66
Exons	3963..4067, 3963..4070, 3978..4403, 4228..4398, 4740..4799, 4749..4799, 4866..4898, 4873..4899		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	4047	End	4394
GI	none	Score	39
Exons	4047..4100, 4053..4166, 4079..4204, 4138..4248, 4224..4391, 4225..4392, 4226..4393, 4227..4394		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	4749	End	5084
GI	none	Score	85
Exons	4749..4799, 4860..5084, 4866..5066, 4873..5079		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o3.ts	Method	TBLASTX:Soybean
Start	4905	End	7194
GI	none	Score	127
Exons	4905..5105, 4909..5103, 7120..7194, 7121..7192		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o4.tm	Method	TBLASTX:Maize

Start	7153	End	7323
GI	none	Score	179
Exons	7153..7323, 7154..7309		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.gp	Method	AAT/GAP
Start	12285	End	14555
GI	16753_1.R1084	Score	2946
Exons	12285..12925, 13018..13483, 13566..13769, 13880..14032, 14488..14555		
GI Descrip.	'4586058/gb|AAD25676.1|AC007020_18 6.0e-67 (AC007020) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	12675	End	13117
GI	none	Score	225
Exons	12675..12926, 12676..12927, 12676..12927, 12891..12965, 13017..13115, 13018..13116, 13024..13116, 13085..13117		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	12766	End	15802
GI	none	Score	155
Exons	12766..12927, 12794..12928, 12797..12928, 12808..12930, 13017..13490, 13018..13452, 13079..13483, 13567..13773, 13568..13777, 13867..13998, 13877..14032, 13880..14032, 13881..14033, 13881..14036, 13882..14040, 14486..14503, 14487..14504, 14503..14814, 14504..14767, 14504..14836, 14505..14876, 14806..14910, 14806..14907, 14825..14923, 14829..14924, 15688..15729, 15725..15802		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o3.np	Method	AAT/NAP
Start	12799	End	14856
GI	6598346	Score	709
Exons	12799..12925, 13018..13484, 13528..13778, 13946..14032, 14488..14636, 14694..14856		
GI Descrip.	(AC002336) unknown protein [Arabidopsis thaliana]		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	12802	End	14835
GI	none	Score	78
Exons	12802..12927, 12827..12928, 13002..13109, 13017..13145, 13018..13131, 13185..13349, 13185..13364, 13186..13368, 13365..13490, 13421..13483, 13567..13782, 13568..13768,		

13965..14036, 13966..14040, 14503..14835, 14504..14767, 14718..14801

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	12835	End	14814
GI	none	Score	313
Exons	12835..12927, 13017..13490, 13021..13446, 13197..13484, 13567..13686, 13567..13773, 13568..13777, 13872..14036, 13881..14036, 13885..14040, 14503..14814, 14504..14767		

Seq. No.	16918	Seq. ID	OJ990727_12.9C10.C13
Gene No.	35666	Strand	-
Start	3870	End	16125
Name	OJ990727_12.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	14590	End	14939
GI	none	Score	233
Exons	14590..14664, 14591..14767, 14591..14926, 14602..14925, 14604..14933, 14829..14939		

Seq. No.	16919	Seq. ID	OJ990727_12.9C10.C19
Gene No.	35667	Strand	+
Start	1	End	877
Name	OJ990727_12.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	877
GI	6322767	Score	74
Exons	1..100, 854..877		
GI Descrip.	Ykl083wp gi|549700|sp|P36079|YKI3_YEAST HYPOTHETICAL 23.7 KD PROTEIN IN MDH1-VMA5 INTERGENIC REGION gi|539182|pir||S37908 hypothetical protein YKL083w - yeast (Saccharomyces cerevisiae) gi|486120|emb|CAA81920| (Z28082) ORF YKL083w [Saccharomyces cerevisiae]		

Seq. No.	16919	Seq. ID	OJ990727_12.9C10.C19
Gene No.	35668	Strand	-
Start	1	End	91
Name	OJ990727_12.9C10.C19.o2.np	Method	AAT/NAP
Start	1	End	91
GI	6322767	Score	100
Exons	1..91		
GI Descrip.	Ykl083wp gi|549700|sp|P36079|YKI3_YEAST HYPOTHETICAL 23.7 KD PROTEIN IN MDH1-VMA5 INTERGENIC REGION gi|539182|pir||S37908 hypothetical protein YKL083w - yeast (Saccharomyces cerevisiae) gi|486120|emb|CAA81920| (Z28082) ORF YKL083w [Saccharomyces cerevisiae]		

Seq. No.	16919	Seq. ID	OJ990727_12.9C10.C19
Gene No.	35669	Strand	-
Start	62	End	339
Name	OJ990727_12.9C10.C19.o2.gp	Method	AAT/GAP
Start	62	End	339
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	62..83, 255..339		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	16919	Seq. ID	OJ990727_12.9C10.C19
Gene No.	35670	Strand	-
Start	655	End	806
Name	OJ990727_12.9C10.C19.o1.gs	Method	GENSCAN
Start	655	End	806
GI	none	Score	.78
Exons	655..806		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35671	Strand	+
Start	1830	End	2460
Name	OJ990907_15.9C03.C1.o1.np	Method	AAT/NAP
Start	1830	End	2460
GI	5734634	Score	895
Exons	1830..2127, 2231..2460		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35672	Strand	+
Start	8639	End	10053
Name	OJ990907_15.9C03.C1.o4.np	Method	AAT/NAP
Start	8639	End	10053
GI	5734636	Score	1061
Exons	8639..8755, 9525..10053		
GI Descrip.	(AP000391) Similar to putative lipase (AC006232) [Oryza sativa]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35673	Strand	+
Start	15863	End	18153
Name	OJ990907_15.9C03.C1.o6.np	Method	AAT/NAP
Start	15863	End	17803
GI	6721547	Score	69
Exons	15863..15942, 17666..17803		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35673	Strand	+
Start	15863	End	18153
Name	OJ990907_15.9C03.C1.o7.np	Method	AAT/NAP
Start	16476	End	17944
GI	5734638	Score	1277
Exons	16476..16783, 16864..16913, 17115..17346, 17597..17723, 17816..17944		
GI Descrip.	(AP000391) EST AU077859(S14590) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; unknown protein (AC003680) [Oryza sativa]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35673	Strand	+
Start	15863	End	18153
Name	OJ990907_15.9C03.C1.o3.gs	Method	GENSCAN
Start	16597	End	17723
GI	none	Score	.99
Exons	16597..16783, 16864..16913, 17150..17346, 17597..17723		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35673	Strand	+
Start	15863	End	18153
Name	OJ990907_15.9C03.C1.o2.gp	Method	AAT/GAP
Start	17271	End	18153
GI	66754_1.R1084	Score	929
Exons	17271..17346, 17597..17723, 17816..18153		
GI Descrip.	'5734638/dbj|BAA83369.1| 4.0e-43 (AP000391) EST AU077859(S14590) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; unknown protein (AC003680) [Oryza sativa]'		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35674	Strand	-
Start	4628	End	5988
Name	OJ990907_15.9C03.C1.o2.np	Method	AAT/NAP
Start	4628	End	5988
GI	5734635	Score	1855
Exons	4628..5381, 5568..5826, 5879..5988		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35675	Strand	-
Start	5998	End	8947
Name	OJ990907_15.9C03.C1.o3.np	Method	AAT/NAP
Start	5998	End	8947
GI	4680186	Score	124
Exons	5998..6074, 7148..7426, 8924..8947		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	1947	End	10050
GI	none	Score	90
Exons	1947..2012, 1952..2005, 2031..2132, 2039..2134, 2262..2408, 2263..2433, 2281..2433, 8604..8720, 8608..8754, 8609..8755, 9519..9728, 9524..9721, 9793..10050, 9807..10049		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o1.gp	Method	AAT/GAP
Start	10857	End	12375
GI	76147_1.R1084	Score	1363
Exons	10857..11324, 11833..11931, 12112..12204, 12289..12375		
GI Descrip.	'5734637/dbj|BAA83368.1| 4.0e-64 (AP000391) ESTs AU029348(E30206),C74035(E30206) correspond to a region of the predicted gene.; Similar to lipase (U38916) [Oryza sativa]'		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o2.gs	Method	GENSCAN
Start	11049	End	13424

GI	none	Score	.84
Exons	11049..11324, 11833..11931, 12112..12204, 12891..12968, 13086..13424		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o5.np	Method	AAT/NAP
Start	11052	End	13424
GI	5734637	Score	1458
Exons	11052..11324, 11833..11931, 12112..12204, 12289..12381, 12891..12968, 13086..13424		
GI Descrip.	(AP000391) ESTs AU029348(E30206),C74035(E30206) correspond to a region of the predicted gene.; Similar to lipase (U38916) [Oryza sativa]		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	11090	End	11344
GI	none	Score	49
Exons	11090..11131, 11106..11321, 11106..11324, 11116..11325, 11225..11344		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	11106	End	13188
GI	none	Score	140
Exons	11106..11324, 11116..11325, 11828..11932, 11836..11934, 11837..11932, 11839..11937, 12067..12267, 12079..12201, 12107..12205, 12289..12381, 12290..12427, 12900..12974, 12906..12974, 13086..13187, 13090..13188		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o2.tc	Method	TBLASTX:Cress
Start	11106	End	11285
GI	none	Score	92
Exons	11106..11285, 11125..11277		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	11833	End	13196
GI	none	Score	84
Exons	11833..11907, 12064..12207, 12109..12204, 12286..12381, 12287..12379, 12885..12974, 13086..13196		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35676	Strand	-
Start	10857	End	13424
Name	OJ990907_15.9C03.C1.o3.tm	Method	TBLASTX:Maize

Start	11833	End	13347
GI	none	Score	68
Exons	11833..11871, 11863..11934, 11864..11932, 12067..12207, 12109..12204, 12110..12205, 12286..12384, 12287..12427, 12888..12971, 12888..12974, 12941..12985, 13084..13191, 13086..13211, 13087..13206, 13294..13347		

Seq. No.	16920	Seq. ID	OJ990907_15.9C03.C1
Gene No.	35677	Strand	
Start	16596	End	16745
Name	OJ990907_15.9C03.C1.o4.tm	Method	TBLASTX:Maize
Start	16596	End	16745
GI	none	Score	196
Exons	16596..16745, 16597..16743		

Seq. No.	16921	Seq. ID	OJ990907_15.9C03.C2
Gene No.	35678	Strand	+
Start	1	End	1453
Name	OJ990907_15.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	1453
GI	4914410	Score	164
Exons	1..43, 397..488, 1182..1292, 1407..1453		
GI Descrip.	(AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	16921	Seq. ID	OJ990907_15.9C03.C2
Gene No.	35678	Strand	+
Start	1	End	1453
Name	OJ990907_15.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	179	End	1295
GI	none	Score	76
Exons	179..241, 188..280, 189..281, 393..488, 394..489, 395..478, 1169..1288, 1171..1293, 1172..1288, 1179..1289, 1179..1295, 1180..1290		

Seq. No.	16921	Seq. ID	OJ990907_15.9C03.C2
Gene No.	35678	Strand	+
Start	1	End	1453
Name	OJ990907_15.9C03.C2.o1.gs	Method	GENSCAN
Start	366	End	1288
GI	none	Score	.51
Exons	366..561, 1165..1288		

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35679	Strand	+
Start	458	End	700
Name	OJ990907_15.9C03.C3.o1.gs	Method	GENSCAN
Start	458	End	700
GI	none	Score	.97
Exons	458..700		

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35680	Strand	+
Start	3511	End	6280
Name	OJ990907_15.9C03.C3.o1.np	Method	AAT/NAP
Start	3511	End	6280
GI	6006366	Score	823
Exons	3511..3661, 4954..5109, 5347..5489, 6236..6280		

GI Descrip. (AP000559) hypothetical protein [Oryza sativa]

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35680	Strand	+
Start	3511	End	6280
Name	OJ990907_15.9C03.C3.o2.gs	Method	GENSCAN
Start	3511	End	5710
GI	none	Score	.46
Exons	3511..3661, 5347..5489, 5690..5710		

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35681	Strand	-
Start	7603	End	11006
Name	OJ990907_15.9C03.C3.o3.gs	Method	GENSCAN
Start	7603	End	10137
GI	none	Score	.64
Exons	7603..7766, 8371..8420, 8560..8670, 8771..8954, 9257..9378, 9896..10069, 10109..10137		

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35681	Strand	-
Start	7603	End	11006
Name	OJ990907_15.9C03.C3.o2.np	Method	AAT/NAP
Start	7606	End	11006
GI	6006367	Score	1638
Exons	7606..7766, 8371..8420, 8560..8670, 8771..8954, 9257..9378, 9954..10179, 10832..11006		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16922	Seq. ID	OJ990907_15.9C03.C3
Gene No.	35681	Strand	-
Start	7603	End	11006
Name	OJ990907_15.9C03.C3.o4.gs	Method	GENSCAN
Start	10785	End	10987
GI	none	Score	.93
Exons	10785..10987		

Seq. No.	16923	Seq. ID	OJ990907_15.9C03.C4
Gene No.	35682	Strand	+
Start	2389	End	3881
Name	OJ990907_15.9C03.C4.o1.np	Method	AAT/NAP
Start	2389	End	3881
GI	6006365	Score	1455
Exons	2389..2602, 3244..3881		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16923	Seq. ID	OJ990907_15.9C03.C4
Gene No.	35683	Strand	-
Start	553	End	3732
Name	OJ990907_15.9C03.C4.o1.gs	Method	GENSCAN
Start	553	End	3732
GI	none	Score	.78
Exons	553..608, 1335..1501, 2157..2225, 2512..2729, 3224..3431, 3558..3732		

Seq. No.	16923	Seq. ID	OJ990907_15.9C03.C4
Gene No.	35683	Strand	-

Start	553	End	3732
Name	OJ990907_15.9C03.C4.o1.gp	Method	AAT/GAP
Start	1705	End	2762
GI	LIB3475-008-P1-K1-B11	Score	566
Exons	1705..1776, 2157..2225, 2303..2365, 2512..2661, 2742..2762		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 2.0e-71 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35684	Strand	+
Start	615	End	1526
Name	OJ990907_15.9C03.C5.o1.gp	Method	AAT/GAP
Start	615	End	1526
GI	267_1.R1084	Score	1539
Exons	615..788, 897..1526		
GI Descrip.	'417103/sp|P11105|H32_MEDSA 3.0e-66 HISTONE H3.2, MINOR >gi_282871_pir__S24346 histone H3.3-like protein - Arabidopsis thaliana >gi_16324_emb_CAA42957_ (X60429) histone H3.3 like protein [Arabidopsis thaliana] >gi_404825_emb_CAA42958_ (X60429) histone H3.3 like protein [Arabidopsis thaliana] >gi_488563 (U09458) histone H3.2 [Medicago sativa] >gi_488567 (U09460) histone H3.2 [Medicago s'		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35684	Strand	+
Start	615	End	1526
Name	OJ990907_15.9C03.C5.o1.gs	Method	GENSCAN
Start	639	End	1235
GI	none	Score	.52
Exons	639..788, 897..1235		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35684	Strand	+
Start	615	End	1526
Name	OJ990907_15.9C03.C5.o1.np	Method	AAT/NAP
Start	717	End	1232
GI	417103	Score	649
Exons	717..788, 897..1232		
GI Descrip.	HISTONE H3.2, MINOR gi|282871|pir||S24346 histone H3.3-like protein - Arabidopsis thaliana gi|16324|emb|CAA42957| (X60429) histone H3.3 like protein [Arabidopsis thaliana] gi|404825|emb|CAA42958| (X60429) histone H3.3 like protein [Arabidopsis thaliana] gi|488563 (U09458) histone H3.2 [Medicago sativa] gi|488567 (U09460) histone H3.2 [Medicago sativa] gi|488569 (U094		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35685	Strand	+
Start	3006	End	4293
Name	OJ990907_15.9C03.C5.o2.gs	Method	GENSCAN
Start	3006	End	4017
GI	none	Score	.76
Exons	3006..3066, 3153..3460, 3550..4017		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35685	Strand	+
Start	3006	End	4293

Name	OJ990907_15.9C03.C5.o2.gp	Method	AAT/GAP
Start	3121	End	4293
GI	361_1.R1084	Score	2058
Exons	3121..3460, 3550..4293		
GI Descrip.	'6006363/dbj|BAA84793.1| 2.0e-34 (AP000559) ESTs AU078183(C62904),C73912(E21020) correspond to a region of the predicted gene.; Similar to water stress inducible protein (U74296) [Oryza sativa]'		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35685	Strand	+
Start	3006	End	4293
Name	OJ990907_15.9C03.C5.o2.np	Method	AAT/NAP
Start	3206	End	4014
GI	6006363	Score	1165
Exons	3206..3460, 3550..4014		
GI Descrip.	(AP000559) ESTs AU078183(C62904),C73912(E21020) correspond to a region of the predicted gene.; Similar to water stress inducible protein (U74296) [Oryza sativa]		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	668	End	1228
GI	none	Score	122
Exons	668..796, 669..788, 689..790, 894..1094, 896..1000, 896..1228, 903..1205		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	678	End	1228
GI	none	Score	153
Exons	678..797, 678..788, 683..790, 707..793, 707..796, 860..1228, 884..1000, 894..1088, 896..1000, 896..1228, 903..1205, 903..1205		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	707	End	1228
GI	none	Score	130
Exons	707..787, 708..788, 894..1088, 896..1228, 903..1205		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	710	End	1228
GI	none	Score	118
Exons	710..796, 717..788, 719..790, 896..1000, 896..1228, 903..1205		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468

Name	OJ990907_15.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	3427	End	3741
GI	none	Score	50
Exons	3427..3465, 3440..3478, 3547..3579, 3549..3596, 3552..3740, 3585..3731, 3586..3741		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	3443	End	3741
GI	none	Score	38
Exons	3443..3463, 3547..3588, 3582..3737, 3582..3731, 3583..3741		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o3.gp	Method	AAT/GAP
Start	6079	End	9468
GI	11575_1.R1084	Score	1279
Exons	6079..6319, 7805..7918, 9151..9468		
GI Descrip.	'6006362/dbj|BAA84792.1| 2.0e-23 (AP000559) Similar to Arabidopsis thaliana chromosome II BAC T32F12, hypothetical protein (AC005314) [Oryza sativa]'		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o3.gs	Method	GENSCAN
Start	9157	End	9382
GI	none	Score	.44
Exons	9157..9382		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o3.ts	Method	TBLASTX:Soybean
Start	9196	End	9406
GI	none	Score	196
Exons	9196..9387, 9199..9375, 9202..9390, 9206..9406, 9235..9381		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o2.tc	Method	TBLASTX:Cress
Start	9202	End	9387
GI	none	Score	182
Exons	9202..9375, 9235..9381, 9235..9387, 9262..9375		

Seq. No.	16924	Seq. ID	OJ990907_15.9C03.C5
Gene No.	35686	Strand	+
Start	6079	End	9468
Name	OJ990907_15.9C03.C5.o3.np	Method	AAT/NAP
Start	9214	End	9468
GI	6006362	Score	250
Exons	9214..9468		
GI Descrip.	(AP000559) Similar to Arabidopsis thaliana chromosome II BAC		

T32F12, hypothetical protein (AC005314) [Oryza sativa]

Seq. No.	16925	Seq. ID	OJ990907_15.9C03.C6
Gene No.	35687	Strand	+
Start	1	End	367
Name	OJ990907_15.9C03.C6.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	11575_1.R1084	Score	400
Exons	1..266		
GI Descrip.	'6006362/dbj|BAA84792.1| 2.0e-23 (AP000559) Similar to Arabidopsis thaliana chromosome II BAC T32F12, hypothetical protein (AC005314) [Oryza sativa]'		

Seq. No.	16925	Seq. ID	OJ990907_15.9C03.C6
Gene No.	35687	Strand	+
Start	1	End	367
Name	OJ990907_15.9C03.C6.o1.gs	Method	GENSCAN
Start	84	End	367
GI	none	Score	.6
Exons	84..225, 282..367		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o1.gs	Method	GENSCAN
Start	311	End	6477
GI	none	Score	.69
Exons	311..401, 865..914, 1413..1536, 2216..2296, 2379..2494, 2579..2674, 2763..3003, 3588..3613, 4310..4472, 5107..5259, 6097..6212, 6249..6477		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o1.np	Method	AAT/NAP
Start	311	End	6477
GI	5734640	Score	1500
Exons	311..401, 865..914, 1413..1536, 2379..2494, 2579..2674, 2763..3003, 6078..6169, 6249..6477		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	344	End	2475
GI	none	Score	92
Exons	344..400, 345..401, 346..408, 847..924, 1411..1539, 1412..1537, 2213..2296, 2213..2314, 2217..2315, 2220..2315, 2373..2471, 2376..2462, 2377..2472, 2378..2470, 2446..2475		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o1.gp	Method	AAT/GAP

Start	351	End	2494
GI	LIB3431-038-P1-K1-G11	Score	749
Exons	351..401, 865..914, 1413..1536, 2216..2296, 2379..2494		
GI Descrip.	'5734640/dbj|BAA83371.1| 2.0e-56 (AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]'		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o1.ts	Method	TBLASTX:Soybean
Start	2258	End	2669
GI	none	Score	69
Exons	2258..2314, 2259..2315, 2376..2462, 2377..2496, 2446..2496, 2566..2667, 2577..2669, 2577..2666		

Seq. No.	16926	Seq. ID	OJ990907_15.9C03.C8
Gene No.	35688	Strand	-
Start	311	End	6609
Name	OJ990907_15.9C03.C8.o2.gp	Method	AAT/GAP
Start	6351	End	6609
GI	LIB3431-030-P1-K2-B4	Score	464
Exons	6351..6609		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.gp	Method	AAT/GAP
Start	1	End	721
GI	36849_1.R1084	Score	781
Exons	1..75, 383..721		
GI Descrip.	'5734639/dbj|BAA83370.1| 2.0e-68 (AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]'		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	986
GI	5734639	Score	646
Exons	1..75, 383..721, 946..986		
GI Descrip.	(AP000391) ESTs AU056036(S20239),C72753(E2173), AU056035(S20239) correspond to a region of the predicted gene.; Similar to putative cytochrome P-450 (AC003680) [Oryza sativa]		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.gs	Method	GENSCAN
Start	25	End	727
GI	none	Score	.56
Exons	25..75, 383..727		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	392	End	718
GI	none	Score	178
Exons	392..718		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	392	End	729
GI	none	Score	194
Exons	392..718, 475..579, 670..729		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	449	End	718
GI	none	Score	181
Exons	449..718, 475..579		

Seq. No.	16927	Seq. ID	OJ990907_15.9C03.C9
Gene No.	35689	Strand	+
Start	1	End	986
Name	OJ990907_15.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	460	End	735
GI	none	Score	156
Exons	460..585, 461..586, 599..721, 658..735		

Seq. No.	16928	Seq. ID	OJ990907_15.9C03.C10
Gene No.	35690	Strand	+
Start	1	End	220
Name	OJ990907_15.9C03.C10.o1.gp	Method	AAT/GAP
Start	1	End	220
GI	102684_1.R1084	Score	397
Exons	1..220		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 1.0e-168 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	16928	Seq. ID	OJ990907_15.9C03.C10
Gene No.	35691	Strand	+
Start	784	End	1225
Name	OJ990907_15.9C03.C10.o2.gp	Method	AAT/GAP
Start	784	End	1225
GI	84748_1.R1084	Score	853
Exons	784..1225		
GI Descrip.	'6006361/dbj|BAA84791.1| 3.0e-83 (AP000559) ESTs AU030008(E50477),AU078239(E50477) correspond to a region of the predicted gene.; Similar to peptidyl-prolyl cis-trans isomerase 10 &CELB0252_4 (P52017) [Oryza sativa]'		

Seq. No.	16928	Seq. ID	OJ990907_15.9C03.C10
Gene No.	35692	Strand	-
Start	1028	End	1225

Name	OJ990907_15.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	1019	End	1225
GI	none	Score	178
Exons	1019..1225, 1035..1223		

Seq. No.	16928	Seq. ID	OJ990907_15.9C03.C10
Gene No.	35692	Strand	-
Start	1028	End	1225
Name	OJ990907_15.9C03.C10.o1.gs	Method	GENSCAN
Start	1028	End	1150
GI	none	Score	.89
Exons	1028..1150		

Seq. No.	16928	Seq. ID	OJ990907_15.9C03.C10
Gene No.	35692	Strand	-
Start	1028	End	1225
Name	OJ990907_15.9C03.C10.o1.np	Method	AAT/NAP
Start	1031	End	1225
GI	6006361	Score	344
Exons	1031..1225		
GI Descrip.	(AP000559) ESTs AU030008(E50477),AU078239(E50477) correspond to a region of the predicted gene.; Similar to peptidyl-prolyl cis-trans isomerase 10 &CELB0252_4 (P52017) [Oryza sativa]		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35693	Strand	-
Start	1676	End	4582
Name	OJ990907_15.9C03.C11.o1.gp	Method	AAT/GAP
Start	940	End	1342
GI	uC-osf1M202082c02b1	Score	747
Exons	940..1342		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35693	Strand	-
Start	1676	End	4582
Name	OJ990907_15.9C03.C11.o1.np	Method	AAT/NAP
Start	1431	End	4582
GI	6006360	Score	2638
Exons	1431..2285, 2368..2528, 3873..4022, 4124..4582		
GI Descrip.	(AP000559) Similar to 1-aminocyclopropane-1-carboxylate synthase (U35779) [Oryza sativa]		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35693	Strand	-
Start	1676	End	4582
Name	OJ990907_15.9C03.C11.o2.gp	Method	AAT/GAP
Start	1582	End	2078
GI	6024_1.R1084	Score	917
Exons	1582..2078		
GI Descrip.	'6006360/dbj|BAA84790.1| 3.0e-83 (AP000559) Similar to 1-aminocyclopropane-1-carboxylate synthase (U35779) [Oryza sativa]'		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35693	Strand	-

Start	1676	End	4582
Name	OJ990907_15.9C03.C11.o1.gs	Method	GENSCAN
Start	1676	End	4582
GI	none	Score	.7
Exons	1676..2285, 2368..2528, 3873..4022, 4124..4582		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	1413	End	1613
GI	none	Score	187
Exons	1413..1613, 1417..1566, 1425..1610		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	1440	End	4222
GI	none	Score	80
Exons	1440..1640, 1441..1566, 1643..1957, 1737..1925, 1946..2284, 2034..2282, 2344..2529, 2388..2528, 4115..4222		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	1446	End	4225
GI	none	Score	70
Exons	1446..1616, 1450..1560, 1643..1948, 1770..1925, 1970..2284, 2368..2529, 2388..2531, 4127..4225		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	1725	End	2462
GI	none	Score	627
Exons	1725..2282, 1726..1812, 1727..2284, 1727..2302, 2010..2303, 2011..2301, 2370..2459, 2371..2457, 2372..2458, 2388..2462		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o2.gs	Method	GENSCAN
Start	5555	End	7431
GI	none	Score	.72
Exons	5555..5712, 7113..7431		

Seq. No.	16929	Seq. ID	OJ990907_15.9C03.C11
Gene No.	35694	Strand	-
Start	5555	End	8789
Name	OJ990907_15.9C03.C11.o2.np	Method	AAT/NAP
Start	5558	End	8789
GI	6006359	Score	1266
Exons	5558..5712, 7113..7424, 8152..8271, 8627..8789		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16930	Seq. ID	OJ990907_15.9C03.C12
Gene No.	35695	Strand	+
Start	2511	End	7920
Name	OJ990907_15.9C03.C12.o1.np	Method	AAT/NAP
Start	2511	End	7920
GI	5734643	Score	2491
Exons	2511..2765, 3624..3692, 3789..3917, 4451..4903, 5352..5606, 6035..6153, 6894..7043, 7167..7360, 7797..7920		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19 (AL031018) [Oryza sativa]		

Seq. No.	16930	Seq. ID	OJ990907_15.9C03.C12
Gene No.	35695	Strand	+
Start	2511	End	7920
Name	OJ990907_15.9C03.C12.o1.gp	Method	AAT/GAP
Start	5275	End	5453
GI	44045_1.R1084	Score	325
Exons	5275..5453		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-92 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16931	Seq. ID	OJ990907_15.9C03.C13
Gene No.	35696	Strand	+
Start	1	End	3647
Name	OJ990907_15.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	3647
GI	6006358	Score	780
Exons	1..38, 783..982, 1293..1362, 1830..1892, 1974..2048, 2689..2761, 3358..3467, 3602..3647		
GI Descrip.	(AP000559) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19, hypothetical protein (AL031018) [Oryza sativa]		

Seq. No.	16931	Seq. ID	OJ990907_15.9C03.C13
Gene No.	35696	Strand	+
Start	1	End	3647
Name	OJ990907_15.9C03.C13.o1.gs	Method	GENSCAN
Start	812	End	3470
GI	none	Score	.69
Exons	812..982, 1293..1362, 1830..1892, 1974..2048, 2689..2761, 3358..3470		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35697	Strand	+
Start	1	End	182
Name	OJ990907_15.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	179
GI	6006358	Score	155
Exons	1..179		
GI Descrip.	(AP000559) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F7H19, hypothetical protein (AL031018) [Oryza sativa]		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35697	Strand	+
Start	1	End	182
Name	OJ990907_15.9C03.C14.o1.gs	Method	GENSCAN
Start	77	End	182

GI	none	Score	.98
Exons	77..182		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o1.gp	Method	AAT/GAP
Start	219	End	1633
GI	27118_1.R1084	Score	2241
Exons	219..1008, 1141..1511, 1594..1633		
GI Descrip.	'5734642/dbj|BAA83373.1| 5.0e-69 (AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] >gi_6006357_dbj_BAA84787.1_ (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]'		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o2.gs	Method	GENSCAN
Start	656	End	3159
GI	none	Score	.92
Exons	656..1009, 1141..1511, 1594..1932, 2038..2071, 2417..2498, 2575..2646, 2736..2807, 2904..2975, 3088..3159		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o2.np	Method	AAT/NAP
Start	659	End	3159
GI	5734642	Score	2649
Exons	659..1009, 1141..1511, 1594..1932, 2038..2169, 2255..2372, 2417..2498, 2575..2646, 2736..2807, 2904..2975, 3088..3159		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o1.tc	Method	TBLASTX:Cress
Start	662	End	3171
GI	none	Score	142
Exons	662..718, 830..1009, 846..1010, 1126..1512, 1138..1503, 1151..1513, 1567..1902, 1580..1918, 1592..1927, 1776..1928, 2413..2487, 2610..2642, 2735..2806, 2735..2806, 2744..2806, 2904..2978, 2912..2974, 2912..2974, 3087..3164, 3087..3158, 3087..3158, 3094..3171		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-

Start	219	End	3171
Name	OJ990907_15.9C03.C14.o2.ts	Method	TBLASTX:Soybean
Start	821	End	1010
GI	none	Score	142
Exons	821..1009, 828..1010		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o1.tm	Method	TBLASTX:Maize
Start	831	End	2974
GI	none	Score	162
Exons	831..1010, 834..929, 842..1009, 1120..1512, 1141..1284, 1151..1513, 1334..1516, 1592..1681, 1593..1673, 1667..1936, 1671..1727, 1676..1918, 1776..1934, 2277..2327, 2285..2329, 2413..2487, 2417..2488, 2574..2633, 2744..2806, 2904..2972, 2912..2974		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o1.ts	Method	TBLASTX:Soybean
Start	1160	End	1937
GI	none	Score	355
Exons	1160..1513, 1162..1512, 1592..1927, 1592..1930, 1599..1937, 1776..1931		

Seq. No.	16932	Seq. ID	OJ990907_15.9C03.C14
Gene No.	35698	Strand	-
Start	219	End	3171
Name	OJ990907_15.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	1168	End	1492
GI	none	Score	197
Exons	1168..1491, 1169..1492		

Seq. No.	16933	Seq. ID	OJ990907_15.9C03.C15
Gene No.	35699	Strand	-
Start	1	End	751
Name	OJ990907_15.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	751
GI	5734641	Score	302
Exons	1..19, 555..751		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	16933	Seq. ID	OJ990907_15.9C03.C15
Gene No.	35699	Strand	-
Start	1	End	751
Name	OJ990907_15.9C03.C15.o1.gs	Method	GENSCAN
Start	433	End	611
GI	none	Score	.52
Exons	433..611		

Seq. No.	16934	Seq. ID	OJ990907_15.9C03.C17
Gene No.	35700	Strand	-
Start	463	End	1178
Name	OJ990907_15.9C03.C17.o1.gp	Method	AAT/GAP
Start	463	End	1044

GI	1883_1.R1084	Score	958
Exons	463..873, 955..1044		
GI Descrip.	'5734640/dbj|BAA83371.1| 6.0e-31 (AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]'		

Seq. No.	16934	Seq. ID	OJ990907_15.9C03.C17
Gene No.	35700	Strand	-
Start	463	End	1178
Name	OJ990907_15.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	755	End	1178
GI	none	Score	109
Exons	755..862, 757..873, 758..874, 814..876, 952..1056, 953..1057, 955..1065, 956..1057, 1134..1178, 1135..1167		

Seq. No.	16934	Seq. ID	OJ990907_15.9C03.C17
Gene No.	35700	Strand	-
Start	463	End	1178
Name	OJ990907_15.9C03.C17.o1.gs	Method	GENSCAN
Start	757	End	1171
GI	none	Score	.72
Exons	757..873, 928..1055, 1136..1171		

Seq. No.	16934	Seq. ID	OJ990907_15.9C03.C17
Gene No.	35700	Strand	-
Start	463	End	1178
Name	OJ990907_15.9C03.C17.o1.np	Method	AAT/NAP
Start	760	End	1055
GI	5734640	Score	356
Exons	760..873, 928..1055		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F17K2 genomic sequence; hypothetical protein (AC003680) [Oryza sativa]		

Seq. No.	16935	Seq. ID	OJ990907_15.9C03.C18
Gene No.	35701	Strand	+
Start	492	End	1804
Name	OJ990907_15.9C03.C18.o1.np	Method	AAT/NAP
Start	492	End	1804
GI	6006368	Score	329
Exons	492..670, 781..847, 1784..1804		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16935	Seq. ID	OJ990907_15.9C03.C18
Gene No.	35702	Strand	-
Start	770	End	1209
Name	OJ990907_15.9C03.C18.o1.gs	Method	GENSCAN
Start	770	End	1209
GI	none	Score	.54
Exons	770..858, 1125..1209		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35703	Strand	+
Start	437	End	562
Name	OJ990907_15.9C03.C20.o1.gs	Method	GENSCAN
Start	437	End	562
GI	none	Score	.62

Exons	437..562		
Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o1.gp	Method	AAT/GAP
Start	2217	End	2810
GI	17058_1.R1084	Score	1111
Exons	2217..2810		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		
Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o2.gs	Method	GENSCAN
Start	2534	End	4642
GI	none	Score	1
Exons	2534..4642		
Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o1.np	Method	AAT/NAP
Start	2537	End	4642
GI	6006369	Score	3636
Exons	2537..4642		
GI Descrip.	(AP000559) ESTs C99670(E21043),C99671(E21043), AU078262(R10938),AU078261(R10938),D15282(C0402) correspond to a region of the predicted gene.; Similar to arginine decarboxylase (U52851) [Oryza sativa]		
Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o2.gp	Method	AAT/GAP
Start	2941	End	3535
GI	20919_1.R1084	Score	1020
Exons	2941..3535		
GI Descrip.	'6006369/dbj|BAA84799.1| 7.0e-95 (AP000559) ESTs C99670(E21043),C99671(E21043), AU078262(R10938),AU078261(R10938),D15282(C0402) correspond to a region of the predicted gene.; Similar to arginine decarboxylase (U52851) [Oryza sativa]'		
Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o3.gp	Method	AAT/GAP
Start	3466	End	4164
GI	102860_1.R1084	Score	1376
Exons	3466..4164		
GI Descrip.	'6006369/dbj|BAA84799.1| 1.0e-112 (AP000559) ESTs C99670(E21043),C99671(E21043), AU078262(R10938),AU078261(R10938),D15282(C0402) correspond to a region of the predicted gene.; Similar to arginine decarboxylase (U52851) [Oryza sativa]'		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35704	Strand	-
Start	2534	End	5266
Name	OJ990907_15.9C03.C20.o4.gp	Method	AAT/GAP
Start	4517	End	5266
GI	54852_1.R1084	Score	1470
Exons	4517..5266		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	2238	End	3581
GI	none	Score	81
Exons	2238..2324, 2269..2325, 2270..2326, 2270..2317, 2271..2324, 2347..2385, 2504..2581, 2516..2563, 2657..3580, 2664..2873, 2837..2878, 2952..3581		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o1.tc	Method	TBLASTX:Cress
Start	2720	End	4496
GI	none	Score	169
Exons	2720..2938, 2730..2876, 2939..4072, 2964..3326, 3417..3581, 3422..3886, 3651..3890, 4079..4303, 4080..4211, 4355..4480, 4362..4496		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o1.ts	Method	TBLASTX:Soybean
Start	2726	End	5025
GI	none	Score	188
Exons	2726..2956, 2730..2876, 2960..3367, 2970..3341, 3410..4099, 3426..3581, 3428..3985, 3651..4103, 4079..4480, 4080..4265, 4353..4496, 4975..5025		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o2.tm	Method	TBLASTX:Maize
Start	3716	End	4396
GI	none	Score	638
Exons	3716..4303, 3717..4259, 4214..4306, 4349..4396, 4350..4391		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o3.tm	Method	TBLASTX:Maize
Start	4903	End	5117
GI	none	Score	204
Exons	4903..5025, 4907..4987, 5070..5117, 5090..5116		

Seq. No.	16936	Seq. ID	OJ990907_15.9C03.C20
Gene No.	35705	Strand	-
Start	7638	End	7794
Name	OJ990907_15.9C03.C20.o2.np	Method	AAT/NAP
Start	7638	End	7794
GI	6069646	Score	88
Exons	7638..7794		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35706	Strand	+
Start	7812	End	8811
Name	OJ990907_15.9C03.C21.o1.np	Method	AAT/NAP
Start	7812	End	8811
GI	6006370	Score	904
Exons	7812..7842, 7870..8277, 8665..8811		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35707	Strand	+
Start	11409	End	12614
Name	OJ990907_15.9C03.C21.o2.np	Method	AAT/NAP
Start	11409	End	12611
GI	6006371	Score	2032
Exons	11409..12611		
GI Descrip.	(AP000559) Similar to hypothetical protein - potato (S31196) [Oryza sativa]		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35707	Strand	+
Start	11409	End	12614
Name	OJ990907_15.9C03.C21.o3.gs	Method	GENSCAN
Start	11409	End	12614
GI	none	Score	.95
Exons	11409..12614		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35708	Strand	-
Start	4601	End	9871
Name	OJ990907_15.9C03.C21.o2.gs	Method	GENSCAN
Start	4601	End	9871
GI	none	Score	.5
Exons	4601..4704, 5296..5408, 6627..6730, 6975..7055, 8116..8263, 9837..9871		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o2.tm	Method	TBLASTX:Maize
Start	11379	End	11738
GI	none	Score	46
Exons	11379..11462, 11389..11442, 11483..11638, 11487..11738, 11496..11738		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	11483	End	12452
GI	none	Score	164
Exons	11483..11644, 11496..11648, 11712..12161, 11720..12160, 12155..12430, 12186..12452		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o1.tw	Method	TBLASTX:Wheat
Start	11489	End	11897
GI	none	Score	312
Exons	11489..11638, 11496..11897, 11496..11654, 11720..11896		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	11496	End	12461
GI	none	Score	177
Exons	11496..11828, 11949..12176, 12186..12290, 12200..12286, 12308..12442, 12309..12461		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	11741	End	12446
GI	none	Score	391
Exons	11741..12160, 11742..12161, 12179..12442, 12186..12437, 12345..12446		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o2.tw	Method	TBLASTX:Wheat
Start	12203	End	12449
GI	none	Score	226
Exons	12203..12448, 12204..12449		

Seq. No.	16937	Seq. ID	OJ990907_15.9C03.C21
Gene No.	35709	Strand	-
Start	13073	End	13393
Name	OJ990907_15.9C03.C21.o4.gs	Method	GENSCAN
Start	13073	End	13393
GI	none	Score	.45
Exons	13073..13393		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.gp	Method	AAT/GAP
Start	1	End	547

GI	84748_2.R1084	Score	685
Exons	1..223, 280..392, 482..547		
GI Descrip.	'6006361/dbj|BAA84791.1| 4.0e-37 (AP000559) ESTs AU030008(E50477),AU078239(E50477) correspond to a region of the predicted gene.; Similar to peptidyl-prolyl cis-trans isomerase 10 &CELB0252_4 (P52017) [Oryza sativa]'		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	395
GI	6006361	Score	521
Exons	1..395		
GI Descrip.	(AP000559) ESTs AU030008(E50477),AU078239(E50477) correspond to a region of the predicted gene.; Similar to peptidyl-prolyl cis-trans isomerase 10 &CELB0252_4 (P52017) [Oryza sativa]		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.gs	Method	GENSCAN
Start	13	End	552
GI	none	Score	.82
Exons	13..168, 304..392, 482..552		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.tc	Method	TBLASTX:Cress
Start	71	End	393
GI	none	Score	65
Exons	71..121, 72..119, 109..201, 111..392, 280..393, 283..393		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.ts	Method	TBLASTX:Soybean
Start	80	End	402
GI	none	Score	50
Exons	80..121, 81..119, 109..201, 111..392, 280..393, 334..402		

Seq. No.	16938	Seq. ID	OJ990907_15.9C03.C24
Gene No.	35710	Strand	-
Start	1	End	578
Name	OJ990907_15.9C03.C24.o1.tm	Method	TBLASTX:Maize
Start	279	End	578
GI	none	Score	178
Exons	279..392, 280..411, 280..393, 558..578		

Seq. No.	16939	Seq. ID	OJ990907_15.9C03.C25
Gene No.	35711	Strand	-
Start	38	End	107
Name	OJ990907_15.9C03.C25.o1.gs	Method	GENSCAN
Start	38	End	107
GI	none	Score	.67
Exons	38..107		

Seq. No.	16940	Seq. ID	OJ990907_15.9C03.C26
Gene No.	35712	Strand	+
Start	215	End	333
Name	OJ990907_15.9C03.C26.o1.gs	Method	GENSCAN
Start	215	End	333
GI	none	Score	.96
Exons	215..333		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35713	Strand	+
Start	160	End	2254
Name	OJ990907_15.9C03.C27.o1.gs	Method	GENSCAN
Start	160	End	2254
GI	none	Score	.69
Exons	160..191, 1909..1979, 2136..2254		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35714	Strand	+
Start	3041	End	5260
Name	OJ990907_15.9C03.C27.o1.np	Method	AAT/NAP
Start	3041	End	5260
GI	5734642	Score	1083
Exons	3041..3279, 3746..3817, 4042..4113, 4214..4285, 4567..4638, 4850..4921, 5019..5090, 5178..5260		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35714	Strand	+
Start	3041	End	5260
Name	OJ990907_15.9C03.C27.o2.gs	Method	GENSCAN
Start	3041	End	5090
GI	none	Score	.64
Exons	3041..3279, 3662..3817, 4214..4285, 4567..4638, 5019..5090		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35714	Strand	+
Start	3041	End	5260
Name	OJ990907_15.9C03.C27.o1.tc	Method	TBLASTX:Cress
Start	3218	End	5250
GI	none	Score	80
Exons	3218..3280, 3747..3827, 3749..3808, 4033..4119, 4034..4114, 4043..4114, 4046..4114, 4182..4250, 4184..4261, 4215..4265, 4567..4635, 4568..4639, 4568..4639, 4850..4921, 4851..4922, 4851..4922, 5005..5088, 5167..5250, 5167..5250, 5178..5240		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35714	Strand	+
Start	3041	End	5260
Name	OJ990907_15.9C03.C27.o1.tm	Method	TBLASTX:Maize
Start	4043	End	5250

GI	none	Score	63
Exons	4043..4114, 4884..4922, 4893..4922, 5032..5088, 5043..5096, 5167..5250, 5178..5240		

Seq. No.	16941	Seq. ID	OJ990907_15.9C03.C27
Gene No.	35714	Strand	+
Start	3041	End	5260
Name	OJ990907_15.9C03.C27.o1.ts	Method	TBLASTX:Soybean
Start	4043	End	5250
GI	none	Score	67
Exons	4043..4114, 4215..4259, 4567..4653, 4568..4639, 4850..4921, 4851..4922, 5001..5099, 5005..5088, 5167..5250, 5178..5240		

Seq. No.	16942	Seq. ID	OJ990907_15.9C03.C28
Gene No.	35715	Strand	+
Start	1	End	808
Name	OJ990907_15.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	808
GI	5734642	Score	447
Exons	1..108, 192..263, 348..419, 502..573, 662..808		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi|6006357|dbj|BAA84787.1| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	16942	Seq. ID	OJ990907_15.9C03.C28
Gene No.	35715	Strand	+
Start	1	End	808
Name	OJ990907_15.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	37	End	734
GI	none	Score	112
Exons	37..108, 38..106, 41..94, 193..264, 195..263, 337..384, 348..386, 350..418, 353..421, 503..571, 503..598, 544..573, 658..732, 662..727, 663..734, 663..731		

Seq. No.	16942	Seq. ID	OJ990907_15.9C03.C28
Gene No.	35715	Strand	+
Start	1	End	808
Name	OJ990907_15.9C03.C28.o1.gs	Method	GENSCAN
Start	192	End	733
GI	none	Score	.81
Exons	192..263, 348..419, 502..573, 662..733		

Seq. No.	16943	Seq. ID	OJ990817_11.9C09.C4
Gene No.	35716	Strand	+
Start	587	End	756
Name	OJ990817_11.9C09.C4.o1.gp	Method	AAT/GAP
Start	587	End	756
GI	56_1.R1084	Score	284
Exons	587..756		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35717	Strand	+
Start	447	End	4538
Name	OJ990817_11.9C09.C5.o1.gs	Method	GENSCAN
Start	447	End	3595
GI	none	Score	.83
Exons	447..486, 1517..1660, 2184..2398, 3269..3595		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35717	Strand	+
Start	447	End	4538
Name	OJ990817_11.9C09.C5.o2.np	Method	AAT/NAP
Start	2282	End	4538
GI	5803248	Score	346
Exons	2282..2398, 4446..4538		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35718	Strand	+
Start	17054	End	18788
Name	OJ990817_11.9C09.C5.o6.np	Method	AAT/NAP
Start	17054	End	18788
GI	5803252	Score	446
Exons	17054..17087, 18540..18788		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o5.gs	Method	GENSCAN
Start	20014	End	28363
GI	none	Score	.73
Exons	20014..20098, 20391..20515, 20596..20862, 21015..21024, 21723..21803, 21887..22015, 22125..22222, 22296..22556, 22856..22989, 23235..23416, 23740..23854, 23981..24164, 25392..25503, 26333..26433, 26923..27275, 27365..27482, 27529..27762, 27848..27994, 28090..28363		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o7.np	Method	AAT/NAP
Start	20014	End	23418
GI	5803253	Score	2150
Exons	20014..20098, 20391..20515, 20596..20862, 21723..21803, 21887..22015, 22125..22222, 22296..22556, 22856..22989, 23235..23418		
GI Descrip.	(AP000399) ESTs AU068856(C50756),AU077979(C61370) correspond to a region of the predicted gene; similar to serine protease (AF097709) [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o8.np	Method	AAT/NAP
Start	21861	End	24596

GI	4895185	Score	325
Exons	21861..21891, 23731..23854, 23981..24164, 24252..24384, 24515..24596		
GI Descrip.	(AC007661) unknown protein [Arabidopsis thaliana]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o9.np	Method	AAT/NAP
Start	24689	End	27792
GI	6069671	Score	85
Exons	24689..24744, 26174..26283, 27742..27792		
GI Descrip.	(AP000616) EST C72179(E1153) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana chromosome II BAC T4C15; hypothetical protein (AC004667) [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o5.gp	Method	AAT/GAP
Start	26920	End	27339
GI	71486_1.R1084	Score	747
Exons	26920..27339		
GI Descrip.	'5803254/dbj|BAA83564.1| 3.0e-35 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o10.np	Method	AAT/NAP
Start	26956	End	28467
GI	5803254	Score	2259
Exons	26956..27762, 27848..27994, 28090..28467		
GI Descrip.	(AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o6.gp	Method	AAT/GAP
Start	27313	End	27719
GI	6062534	Score	750
Exons	27313..27719		
GI Descrip.	5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35719	Strand	+
Start	20014	End	28599
Name	OJ990817_11.9C09.C5.o7.gp	Method	AAT/GAP
Start	27848	End	28599
GI	15799_1.R1084	Score	1050

Exons	27848..27994, 28090..28599		
GI Descrip.	'5803254/dbj|BAA83564.1| 4.0e-69 (AP000399) ESTs C97429(C60159),D22427(C11106), AU078031(E31854),D15683(C1084) correspond to a region of the predicted gene; hypothetical protein [Oryza sativa]'		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35720	Strand	-
Start	1274	End	2050
Name	OJ990817_11.9C09.C5.o1.np	Method	AAT/NAP
Start	1274	End	2050
GI	5803247	Score	450
Exons	1274..1392, 1512..1590, 1764..1825, 1978..2050		
GI Descrip.	(AP000399) similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35721	Strand	-
Start	4407	End	5388
Name	OJ990817_11.9C09.C5.o2.gs	Method	GENSCAN
Start	4407	End	5388
GI	none	Score	.6
Exons	4407..4599, 5306..5388		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35722	Strand	-
Start	6369	End	6922
Name	OJ990817_11.9C09.C5.o2.gp	Method	AAT/GAP
Start	6026	End	6922
GI	74_4.R1084	Score	590
Exons	6026..6055, 6297..6526, 6644..6705, 6856..6922		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35722	Strand	-
Start	6369	End	6922
Name	OJ990817_11.9C09.C5.o3.np	Method	AAT/NAP
Start	6308	End	6922
GI	5803249	Score	528
Exons	6308..6526, 6644..6705, 6856..6922		
GI Descrip.	(AP000399) EST C97982(C0324) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35722	Strand	-
Start	6369	End	6922
Name	OJ990817_11.9C09.C5.o3.gs	Method	GENSCAN
Start	6369	End	6922
GI	none	Score	.99
Exons	6369..6526, 6577..6705, 6856..6922		
Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35723	Strand	-
Start	10525	End	11189
Name	OJ990817_11.9C09.C5.o4.np	Method	AAT/NAP

Start	10525	End	11079
GI	5803250	Score	524
Exons	10525..10743, 10845..10906, 11016..11079		
GI Descrip.	(AP000399) EST AU077941(C12908) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35723	Strand	-
Start	10525	End	11189
Name	OJ990817_11.9C09.C5.o3.gp	Method	AAT/GAP
Start	10650	End	11189
GI	74_6.R1084	Score	589
Exons	10650..10743, 10845..10906, 11016..11189		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35724	Strand	-
Start	14916	End	15985
Name	OJ990817_11.9C09.C5.o5.np	Method	AAT/NAP
Start	14916	End	15985
GI	5803251	Score	772
Exons	14916..15083, 15146..15196, 15450..15702, 15957..15985		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35725	Strand	-
Start	24520	End	24803
Name	OJ990817_11.9C09.C5.o3.tm	Method	TBLASTX:Maize
Start	1298	End	11076
GI	none	Score	281
Exons	1298..1408, 1743..1826, 6237..6524, 6297..6524, 6305..6526, 6371..6526, 6851..6922, 6857..6922, 6861..6962, 10503..10589, 10520..10741, 10522..10767, 10523..10741, 11004..11072, 11015..11062, 11017..11076, 11021..11074		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35725	Strand	-
Start	24520	End	24803
Name	OJ990817_11.9C09.C5.o5.tm	Method	TBLASTX:Maize
Start	17732	End	17923
GI	none	Score	93
Exons	17732..17881, 17761..17814, 17814..17921, 17816..17923, 17816..17923		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35725	Strand	-
Start	24520	End	24803
Name	OJ990817_11.9C09.C5.o2.tm	Method	TBLASTX:Maize
Start	20967	End	22977
GI	none	Score	79
Exons	20967..21074, 21761..21778, 21885..21974, 21889..21975, 21892..21975, 21970..22017, 21971..22015, 22096..22230, 22097..22231, 22311..22382, 22322..22381, 22324..22404, 22391..22555, 22398..22556, 22398..22556, 22427..22558, 22855..22977, 22856..22975		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35725	Strand	-
Start	24520	End	24803
Name	OJ990817_11.9C09.C5.o1.tm	Method	TBLASTX:Maize
Start	23739	End	24803
GI	none	Score	45
Exons	23739..23762, 23811..23852, 23971..24102, 23979..24104, 23980..24102, 24083..24169, 24087..24173, 24088..24156, 24122..24163, 24249..24290, 24250..24300, 24251..24295, 24275..24346, 24291..24341, 24304..24354, 24342..24365, 24457..24612, 24457..24630, 24473..24619, 24681..24710, 24774..24803		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35725	Strand	-
Start	24520	End	24803
Name	OJ990817_11.9C09.C5.o4.gp	Method	AAT/GAP
Start	24520	End	24780
GI	3106613	Score	480
Exons	24520..24780		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 1.0e-125 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	16944	Seq. ID	OJ990817_11.9C09.C5
Gene No.	35726	Strand	
Start	27378	End	28000
Name	OJ990817_11.9C09.C5.o4.tm	Method	TBLASTX:Maize
Start	27378	End	28000
GI	none	Score	70
Exons	27378..27605, 27384..27590, 27385..27600, 27412..27612, 27670..27756, 27682..27756, 27687..27770, 27856..27900, 27857..27910, 27921..27983, 27926..28000		

Seq. No.	16945	Seq. ID	OJ990817_11.9C09.C6
Gene No.	35727	Strand	+
Start	306	End	500
Name	OJ990817_11.9C09.C6.o1.gs	Method	GENSCAN
Start	306	End	500
GI	none	Score	.9
Exons	306..500		

Seq. No.	16945	Seq. ID	OJ990817_11.9C09.C6
Gene No.	35728	Strand	-
Start	889	End	2021
Name	OJ990817_11.9C09.C6.o1.gp	Method	AAT/GAP
Start	889	End	2021
GI	74_3.R1084	Score	1531
Exons	889..1409, 1584..1645, 1769..2021		
GI Descrip.	'3763845/dbj|BAA33813| 9.0e-50 (AB018375) early nodulin [Oryza sativa] >gi_3763847_dbj_BAA33814_ (AB018376) early nodulin [Oryza sativa] >gi_5803255_dbj_BAA83565.1_ (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	16945	Seq. ID	OJ990817_11.9C09.C6

Gene No.	35728	Strand	-
Start	889	End	2021
Name	OJ990817_11.9C09.C6.o1.tm	Method	TBLASTX:Maize
Start	1188	End	1827
GI	none	Score	276
Exons	1188..1409, 1188..1409, 1770..1826, 1774..1827, 1775..1825		

Seq. No.	16945	Seq. ID	OJ990817_11.9C09.C6
Gene No.	35728	Strand	-
Start	889	End	2021
Name	OJ990817_11.9C09.C6.o1.np	Method	AAT/NAP
Start	1191	End	1832
GI	3763845	Score	522
Exons	1191..1409, 1584..1645, 1769..1832		
GI Descrip.	(AB018375) early nodulin [Oryza sativa] gi|3763847|dbj|BAA33814| (AB018376) early nodulin [Oryza sativa] gi|5803255|dbj|BAA83565.1| (AP000399) ESTs C98096(C0688),C98097(C0688) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	16945	Seq. ID	OJ990817_11.9C09.C6
Gene No.	35728	Strand	-
Start	889	End	2021
Name	OJ990817_11.9C09.C6.o2.gs	Method	GENSCAN
Start	1252	End	1832
GI	none	Score	.81
Exons	1252..1409, 1457..1516, 1769..1832		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35729	Strand	+
Start	480	End	1590
Name	OJ990817_11.9C09.C7.o1.gs	Method	GENSCAN
Start	480	End	1590
GI	none	Score	.47
Exons	480..543, 1568..1590		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35730	Strand	+
Start	15966	End	19226
Name	OJ990817_11.9C09.C7.o5.np	Method	AAT/NAP
Start	15966	End	19223
GI	5803259	Score	5314
Exons	15966..17228, 17324..19223		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35730	Strand	+
Start	15966	End	19226
Name	OJ990817_11.9C09.C7.o6.gs	Method	GENSCAN
Start	15966	End	19226
GI	none	Score	.96
Exons	15966..16719, 16790..17228, 17324..19226		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35731	Strand	+
Start	26087	End	30594

Name	OJ990817_11.9C09.C7.o7.np	Method	AAT/NAP
Start	26087	End	28571
GI	5922623	Score	217
Exons	26087..26171, 26553..26705, 26873..26948, 28470..28571		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35731	Strand	+
Start	26087	End	30594
Name	OJ990817_11.9C09.C7.o8.np	Method	AAT/NAP
Start	27627	End	30591
GI	5803260	Score	3749
Exons	27627..27862, 28050..28747, 28979..29071, 29417..30591		
GI Descrip.	(AP000399) similar to wak1 gene (AJ009696) [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35731	Strand	+
Start	26087	End	30594
Name	OJ990817_11.9C09.C7.o8.gs	Method	GENSCAN
Start	27660	End	30594
GI	none	Score	.89
Exons	27660..27862, 28050..28747, 28979..29071, 29417..30594		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35732	Strand	-
Start	3463	End	5970
Name	OJ990817_11.9C09.C7.o1.np	Method	AAT/NAP
Start	2473	End	3817
GI	6630699	Score	86
Exons	2473..2552, 3788..3817		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35732	Strand	-
Start	3463	End	5970
Name	OJ990817_11.9C09.C7.o2.gp	Method	AAT/GAP
Start	3307	End	4108
GI	74_1.R1084	Score	1162
Exons	3307..3684, 3779..3840, 3927..4108		
GI Descrip.	'5803256/dbj|BAA83566.1| 2.0e-46 (AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35732	Strand	-
Start	3463	End	5970
Name	OJ990817_11.9C09.C7.o2.gs	Method	GENSCAN
Start	3463	End	5970
GI	none	Score	.76
Exons	3463..3684, 3779..3840, 3927..4008, 4946..5050, 5575..5722, 5738..5970		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35732	Strand	-
Start	3463	End	5970
Name	OJ990817_11.9C09.C7.o2.np	Method	AAT/NAP
Start	3466	End	3990
GI	5803256	Score	521
Exons	3466..3684, 3779..3840, 3927..3990		
GI Descrip.	(AP000399) ESTs C98280(C1391),D15843(C1391) correspond to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35733	Strand	-
Start	6334	End	7144
Name	OJ990817_11.9C09.C7.o3.gp	Method	AAT/GAP
Start	6334	End	7144
GI	74_4.R1084	Score	1094
Exons	6334..6687, 6802..6863, 6974..7144		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35733	Strand	-
Start	6334	End	7144
Name	OJ990817_11.9C09.C7.o3.gs	Method	GENSCAN
Start	6466	End	7040
GI	none	Score	.98
Exons	6466..6687, 6802..6863, 6974..7040		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35733	Strand	-
Start	6334	End	7144
Name	OJ990817_11.9C09.C7.o3.np	Method	AAT/NAP
Start	6511	End	7142
GI	4809191	Score	605
Exons	6511..6687, 6802..6863, 6974..7142		
GI Descrip.	(AF140229) early nodulin [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35734	Strand	-
Start	10227	End	14804
Name	OJ990817_11.9C09.C7.o4.gp	Method	AAT/GAP
Start	10227	End	11068
GI	74_2.R1084	Score	1160
Exons	10227..10606, 10734..10795, 10901..11068		
GI Descrip.	'5803258/dbj|BAA83568.1| 8.0e-50 (AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]'		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35734	Strand	-
Start	10227	End	14804
Name	OJ990817_11.9C09.C7.o5.gs	Method	GENSCAN
Start	10385	End	14804
GI	none	Score	.52
Exons	10385..10606, 10734..10795, 10901..11005, 12496..12716, 14692..14804		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35734	Strand	-
Start	10227	End	14804
Name	OJ990817_11.9C09.C7.o4.np	Method	AAT/NAP
Start	10388	End	10964
GI	5803258	Score	521
Exons	10388..10606, 10734..10795, 10901..10964		
GI Descrip.	(AP000399) EST AU077972(C53511) corresponds to a region of the predicted gene; similar to OsENOD93a gene for early nodulin (AB018375) [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35735	Strand	-
Start	19234	End	19695
Name	OJ990817_11.9C09.C7.o5.gp	Method	AAT/GAP
Start	19234	End	19695
GI	2428323	Score	854
Exons	19234..19695		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35736	Strand	-
Start	19855	End	26618
Name	OJ990817_11.9C09.C7.o7.gs	Method	GENSCAN
Start	19855	End	26618
GI	none	Score	.5
Exons	19855..22780, 22891..23582, 23646..23998, 24029..24755, 24840..26027, 26084..26290, 26532..26618		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35736	Strand	-
Start	19855	End	26618
Name	OJ990817_11.9C09.C7.o6.np	Method	AAT/NAP
Start	19858	End	25504
GI	6498441	Score	6858
Exons	19858..20139, 20233..21630, 21802..22182, 22375..22717, 22891..23025, 23209..23582, 23646..24109, 24440..25504		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o3.tm	Method	TBLASTX:Maize
Start	3461	End	10958
GI	none	Score	281
Exons	3461..3682, 3463..3684, 3463..3684, 3785..3841, 3928..3987, 3928..3987, 6435..6563, 6458..6685, 6466..6687, 6467..6685, 6469..6714, 6976..7041, 6977..7039, 10385..10615, 10386..10604, 10902..10958, 10907..10957		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142

Name	OJ990817_11.9C09.C7.o6.tw	Method	TBLASTX:Wheat
Start	6486	End	29952
GI	none	Score	316
Exons	6486..6563, 29596..29877, 29596..29877, 29911..29952		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o8.tw	Method	TBLASTX:Wheat
Start	19867	End	20469
GI	none	Score	81
Exons	19867..19992, 19871..19993, 20173..20469, 20186..20329, 20366..20464, 20394..20465		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o4.tw	Method	TBLASTX:Wheat
Start	20470	End	20851
GI	none	Score	163
Exons	20470..20850, 20501..20749, 20795..20851		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o4.tm	Method	TBLASTX:Maize
Start	20680	End	20988
GI	none	Score	198
Exons	20680..20988, 20681..20959		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o9.tw	Method	TBLASTX:Wheat
Start	21181	End	21493
GI	none	Score	61
Exons	21181..21441, 21317..21493		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o3.ts	Method	TBLASTX:Soybean
Start	21241	End	21807
GI	5666795	Score	68
Exons	21241..21441, 21496..21633, 21709..21807		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o5.tw	Method	TBLASTX:Wheat
Start	21496	End	21930
GI	none	Score	88
Exons	21496..21645, 21497..21634, 21499..21636, 21679..21930, 21689..21910, 21733..21930		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7

Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o2.ts	Method	TBLASTX:Soybean
Start	22555	End	22925
GI	none	Score	83
Exons	22555..22785, 22782..22925, 22783..22908		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o2.tw	Method	TBLASTX:Wheat
Start	22585	End	23004
GI	none	Score	119
Exons	22585..22791, 22592..22765, 22773..23003, 22782..22901, 22783..23004		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o6.tm	Method	TBLASTX:Maize
Start	22678	End	23061
GI	none	Score	194
Exons	22678..22788, 22782..23060, 22783..23061		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o2.tm	Method	TBLASTX:Maize
Start	23088	End	23444
GI	none	Score	114
Exons	23088..23393, 23088..23444, 23098..23409		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o1.tw	Method	TBLASTX:Wheat
Start	23112	End	23574
GI	none	Score	222
Exons	23112..23573, 23118..23573, 23119..23574		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o4.ts	Method	TBLASTX:Soybean
Start	23169	End	23534
GI	none	Score	118
Exons	23169..23303, 23310..23534		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o3.tw	Method	TBLASTX:Wheat
Start	23739	End	24225
GI	none	Score	74
Exons	23739..24224, 23766..23960, 23770..24030, 24052..24225		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7

Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o7.tw	Method	TBLASTX:Wheat
Start	24963	End	25355
GI	none	Score	96
Exons	24963..25220, 24997..25236, 25203..25301, 25204..25296, 25308..25355		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o7.tm	Method	TBLASTX:Maize
Start	25065	End	25350
GI	none	Score	107
Exons	25065..25313, 25066..25350		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o1.tc	Method	TBLASTX:Cress
Start	27750	End	30219
GI	none	Score	82
Exons	27750..27812, 28201..28263, 28336..28629, 28651..28755, 29572..29880, 29635..29850, 29733..29864, 29910..30215, 29911..30219		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o9.np	Method	AAT/NAP
Start	28334	End	32521
GI	119111	Score	40
Exons	28334..28385, 31053..31102, 31142..31237, 32499..32521		
GI Descrip.	EBNA-2 NUCLEAR PROTEIN gi|1083964|pir||S42442 EBNA2 protein - human herpesvirus 4 gi|1632787|emb|CAA24877.1| (V01555) BYRF1, encodes EBNA-2 (Dambaugh et al, 1984; Dillner et al, 1984) [Human herpesvirus 4]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o1.ts	Method	TBLASTX:Soybean
Start	29563	End	30219
GI	none	Score	106
Exons	29563..29706, 29733..29864, 29734..29886, 29908..30219, 29910..30218		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o1.tm	Method	TBLASTX:Maize
Start	29575	End	30447
GI	none	Score	338
Exons	29575..29889, 29577..29621, 29581..29862, 29694..29894, 29904..30212, 29905..30213, 30346..30447		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7

Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o10.tw	Method	TBLASTX:Wheat
Start	29953	End	30219
GI	none	Score	186
Exons	29953..30219, 30087..30206		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o6.gp	Method	AAT/GAP
Start	30318	End	31281
GI	uC-osf1cyp035f02b1	Score	694
Exons	30318..30570, 31170..31281		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o8.gp	Method	AAT/GAP
Start	32131	End	32637
GI	LIB3475-002-P1-K2-B2	Score	992
Exons	32131..32637		
GI Descrip.	'5803261/dbj|BAA83571.1| 7.0e-89 (AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]'		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o9.gs	Method	GENSCAN
Start	32175	End	34993
GI	none	Score	.49
Exons	32175..32329, 32466..32741, 32757..33159, 33273..33324, 34009..34577, 34733..34993		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o10.np	Method	AAT/NAP
Start	32178	End	36142
GI	5803261	Score	3420
Exons	32178..33159, 33273..33324, 34009..35033, 36106..36142		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana chromosome II BAC T19L18; unknown protein (AC004747) [Oryza sativa]		

Seq. No.	16946	Seq. ID	OJ990817_11.9C09.C7
Gene No.	35737	Strand	-
Start	28334	End	36142
Name	OJ990817_11.9C09.C7.o5.tm	Method	TBLASTX:Maize
Start	32683	End	33078
GI	none	Score	155
Exons	32683..32832, 32684..32827, 32701..32829, 32833..32961, 32842..32952, 32908..33078, 32971..33078		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8

Gene No.	35738	Strand	+
Start	211	End	1357
Name	OJ990817_11.9C09.C8.o1.gs	Method	GENSCAN
Start	211	End	1357
GI	none	Score	.97
Exons	211..255, 1043..1357		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35738	Strand	+
Start	211	End	1357
Name	OJ990817_11.9C09.C8.o1.np	Method	AAT/NAP
Start	1021	End	1354
GI	5803262	Score	344
Exons	1021..1051, 1173..1354		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35739	Strand	+
Start	8922	End	11406
Name	OJ990817_11.9C09.C8.o3.gs	Method	GENSCAN
Start	8922	End	11406
GI	none	Score	.88
Exons	8922..9128, 9205..9397, 9630..9735, 9981..10170, 10495..10680, 10762..10845, 11230..11406		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35739	Strand	+
Start	8922	End	11406
Name	OJ990817_11.9C09.C8.o4.np	Method	AAT/NAP
Start	8922	End	11403
GI	5803265	Score	1808
Exons	8922..9128, 9205..9397, 9630..9735, 9981..10170, 10495..10680, 10762..10845, 11230..11403		
GI Descrip.	(AP000399) similar to protein arginine N-methyl transferase 1 (Q63009) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35740	Strand	+
Start	16592	End	20305
Name	OJ990817_11.9C09.C8.o5.gs	Method	GENSCAN
Start	16592	End	20249
GI	none	Score	.84
Exons	16592..17063, 17392..17543, 17886..18002, 18863..18946, 19044..19232, 19902..19928, 20124..20249		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35740	Strand	+
Start	16592	End	20305
Name	OJ990817_11.9C09.C8.o6.gp	Method	AAT/GAP
Start	17894	End	20305
GI	56_1.R1084	Score	1534
Exons	17894..18002, 18863..18946, 19044..19232, 19413..19585, 19735..19808, 19902..19928, 19999..20022, 20124..20305		
GI Descrip.	'5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35740	Strand	+
Start	16592	End	20305
Name	OJ990817_11.9C09.C8.o6.np	Method	AAT/NAP
Start	17931	End	20246
GI	5803267	Score	1136
Exons	17931..18002, 18863..18946, 19044..19232, 19413..19585, 19735..19808, 19960..20022, 20124..20246		
GI Descrip.	(AP000399) ESTs C26547(C12563),AU077938(C12563) correspond to a region of the predicted gene; similar to iron-superoxide dismutase (AB014056) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35741	Strand	-
Start	2553	End	7743
Name	OJ990817_11.9C09.C8.o1.gp	Method	AAT/GAP
Start	2525	End	2976
GI	5455578	Score	842
Exons	2525..2976		
GI Descrip.	5803263/dbj|BAA83573.1| 3.0e-09 (AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35741	Strand	-
Start	2553	End	7743
Name	OJ990817_11.9C09.C8.o2.gs	Method	GENSCAN
Start	2553	End	7635
GI	none	Score	.4
Exons	2553..2737, 2826..3238, 3321..4232, 4936..4960, 5577..5643, 7199..7249, 7340..7425, 7524..7635		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35741	Strand	-
Start	2553	End	7743
Name	OJ990817_11.9C09.C8.o2.np	Method	AAT/NAP
Start	2772	End	4215
GI	5803263	Score	2335
Exons	2772..4145, 4175..4215		
GI Descrip.	(AP000399) similar to serine/threonine-specific protein kinase PK10 precursor (AL021811) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35741	Strand	-
Start	2553	End	7743
Name	OJ990817_11.9C09.C8.o2.gp	Method	AAT/GAP
Start	4939	End	7743
GI	92846_1.R1084	Score	1390
Exons	4939..5208, 5344..5423, 5577..5643, 7199..7249, 7340..7425, 7524..7743		
GI Descrip.	'5803264/dbj|BAA83574.1| 1.0e-76 (AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]'		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8

Gene No.	35741	Strand	-
Start	2553	End	7743
Name	OJ990817_11.9C09.C8.o3.np	Method	AAT/NAP
Start	5143	End	7635
GI	5803264	Score	693
Exons	5143..5208, 5344..5423, 5577..5643, 7199..7249, 7340..7425, 7524..7635		
GI Descrip.	(AP000399) ESTs AU057456(S21460),AU057455(S21460) correspond to a region of the predicted gene; similar to cytochrome c oxidase subunit Vb precursor (D85381) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o2.ts	Method	TBLASTX:Soybean
Start	2967	End	3820
GI	none	Score	142
Exons	2967..3038, 3227..3649, 3644..3820		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o4.tm	Method	TBLASTX:Maize
Start	3227	End	3868
GI	none	Score	53
Exons	3227..3538, 3228..3284, 3360..3482, 3590..3622, 3647..3868		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o2.tc	Method	TBLASTX:Cress
Start	3233	End	3820
GI	none	Score	108
Exons	3233..3538, 3578..3625, 3650..3820		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o1.tw	Method	TBLASTX:Wheat
Start	3362	End	3709
GI	none	Score	69
Exons	3362..3538, 3381..3482, 3563..3628, 3647..3709		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o1.tc	Method	TBLASTX:Cress
Start	8981	End	9709
GI	none	Score	212
Exons	8981..9139, 8988..9128, 9202..9402, 9207..9401, 9628..9702, 9629..9706, 9629..9709		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o1.ts	Method	TBLASTX:Soybean
Start	8981	End	10089

GI	none	Score	197
Exons	8981..9139, 8988..9128, 9202..9402, 9207..9401, 9613..9738, 9629..9736, 9972..10088, 9973..10089		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o1.tm	Method	TBLASTX:Maize
Start	8987	End	9690
GI	none	Score	251
Exons	8987..9139, 8988..9131, 9202..9402, 9202..9402, 9203..9403, 9628..9690, 9629..9688		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o4.ts	Method	TBLASTX:Soybean
Start	10090	End	11406
GI	none	Score	83
Exons	10090..10179, 10488..10703, 10489..10680, 10755..10856, 10756..10857, 11227..11406, 11229..11405		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o5.tm	Method	TBLASTX:Maize
Start	10489	End	11423
GI	none	Score	215
Exons	10489..10632, 10490..10585, 10494..10649, 10638..10679, 10639..10680, 10651..10686, 10755..10853, 10756..10857, 10762..10857, 11197..11415, 11227..11415, 11229..11423		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o3.gp	Method	AAT/GAP
Start	12008	End	13385
GI	4706_1.R1084	Score	1758
Exons	12008..12633, 12815..13099, 13312..13385		
GI Descrip.	'5803266/dbj|BAA83576.1| 5.0e-47 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o4.gs	Method	GENSCAN
Start	12335	End	15429
GI	none	Score	.86
Exons	12335..12581, 12608..12633, 12815..13099, 13312..13590, 13840..14144, 14604..14883, 15232..15429		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o7.ts	Method	TBLASTX:Soybean

Start	12481	End	13048
GI	none	Score	147
Exons	12481..12651, 12809..13048, 12816..13046		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o3.tc	Method	TBLASTX:Cress
Start	12529	End	16672
GI	none	Score	64
Exons	12529..12663, 12530..12565, 12574..12651, 12809..13114, 12822..13100, 13342..13593, 13349..13594, 13837..14115, 13838..14074, 14657..14866, 14659..14916, 15232..15306, 15233..15301, 15328..15501, 15329..15502, 16040..16198, 16041..16184, 16312..16401, 16317..16394, 16323..16484, 16571..16672		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o7.tm	Method	TBLASTX:Maize
Start	12574	End	14883
GI	none	Score	85
Exons	12574..12651, 12797..12994, 12809..13012, 12822..13013, 13546..13593, 13837..14088, 13853..13969, 14657..14866, 14659..14883		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o5.np	Method	AAT/NAP
Start	12806	End	16711
GI	5803266	Score	3052
Exons	12806..13099, 13312..13590, 13840..14144, 14604..14883, 15232..15500, 16045..16195, 16317..16481, 16571..16711		
GI Descrip.	(AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o3.tm	Method	TBLASTX:Maize
Start	13016	End	13543
GI	none	Score	133
Exons	13016..13114, 13017..13100, 13033..13122, 13309..13542, 13313..13543		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o3.ts	Method	TBLASTX:Soybean
Start	13049	End	14091
GI	none	Score	62
Exons	13049..13114, 13050..13115, 13309..13593, 13319..13594, 13334..13624, 13837..14091, 13838..14089		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o4.gp	Method	AAT/GAP
Start	13849	End	14073
GI	uC-osflcyp112g02b1	Score	415
Exons	13849..14073		
GI Descrip.	'5803266/dbj|BAA83576.1| 2.0e-32 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o5.ts	Method	TBLASTX:Soybean
Start	14650	End	15427
GI	none	Score	267
Exons	14650..14859, 14660..14860, 14721..14861, 14776..14862, 15217..15414, 15232..15426, 15236..15427		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o5.gp	Method	AAT/GAP
Start	15397	End	17622
GI	33343_1.R1084	Score	1671
Exons	15397..15500, 16045..16195, 16317..16481, 16571..16690, 16927..17118, 17464..17622		
GI Descrip.	'5803266/dbj|BAA83576.1| 1.0e-59 (AP000399) ESTs AU078063(S15496),C97608(C60475), C28255(C60475) correspond to a region of the predicted gene; similar to plastid transketolase 2 (Y15782) [Oryza sativa]'		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o6.ts	Method	TBLASTX:Soybean
Start	15439	End	16651
GI	none	Score	62
Exons	15439..15501, 15446..15502, 16040..16204, 16041..16202, 16314..16460, 16315..16395, 16317..16460, 16511..16651		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35742	Strand	-
Start	12008	End	17622
Name	OJ990817_11.9C09.C8.o2.tm	Method	TBLASTX:Maize
Start	15451	End	16641
GI	none	Score	66
Exons	15451..15501, 15452..15502, 16040..16192, 16041..16199, 16044..16202, 16045..16206, 16312..16488, 16312..16482, 16317..16493, 16563..16628, 16570..16641, 16571..16639		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35743	Strand	
Start	17916	End	19620
Name	OJ990817_11.9C09.C8.o6.tm	Method	TBLASTX:Maize

Start	17916	End	19620
GI	none	Score	64
Exons	17916..17984, 18826..18948, 18827..18946, 19036..19155, 19042..19155, 19043..19165, 19044..19166, 19044..19166, 19153..19194, 19157..19213, 19158..19199, 19422..19436, 19428..19595, 19431..19601, 19438..19608, 19594..19620		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35743	Strand	
Start	17916	End	19620
Name	OJ990817_11.9C09.C8.o4.tc	Method	TBLASTX:Cress
Start	18854	End	19235
GI	none	Score	75
Exons	18854..18946, 18880..18936, 19043..19135, 19044..19136, 19145..19231, 19152..19235		

Seq. No.	16947	Seq. ID	OJ990817_11.9C09.C8
Gene No.	35744	Strand	
Start	19999	End	20249
Name	OJ990817_11.9C09.C8.o8.tm	Method	TBLASTX:Maize
Start	19999	End	20249
GI	none	Score	48
Exons	19999..20022, 20106..20249, 20121..20240, 20123..20245		

Seq. No.	16948	Seq. ID	OJ990817_11.9C09.C9
Gene No.	35745	Strand	-
Start	590	End	1650
Name	OJ990817_11.9C09.C9.o1.gp	Method	AAT/GAP
Start	590	End	1650
GI	14286_1.R1084	Score	894
Exons	590..905, 1476..1650		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-171 Oxyza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	16948	Seq. ID	OJ990817_11.9C09.C9
Gene No.	35746	Strand	-
Start	2731	End	5118
Name	OJ990817_11.9C09.C9.o2.gs	Method	GENSCAN
Start	2731	End	5118
GI	none	Score	.58
Exons	2731..2880, 3036..3150, 4329..4421, 4922..5118		

Seq. No.	16948	Seq. ID	OJ990817_11.9C09.C9
Gene No.	35746	Strand	-
Start	2731	End	5118
Name	OJ990817_11.9C09.C9.o1.np	Method	AAT/NAP
Start	2734	End	5118
GI	5803269	Score	861
Exons	2734..2880, 3036..3150, 4329..4421, 4922..5118		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35747	Strand	+
Start	1713	End	4748
Name	OJ990817_11.9C09.C10.o1.np	Method	AAT/NAP
Start	1713	End	4748
GI	5803270	Score	1004

Exons	1713..1870, 1948..2091, 2587..2684, 2799..2900, 4452..4520, 4678..4748		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35748	Strand	+
Start	6389	End	11746
Name	OJ990817_11.9C09.C10.o3.gs	Method	GENSCAN
Start	6389	End	11746
GI	none	Score	.45
Exons	6389..6425, 7587..7750, 7884..7900, 8694..9264, 9365..9498, 10738..10851, 10956..11142, 11236..11304, 11480..11746		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35748	Strand	+
Start	6389	End	11746
Name	OJ990817_11.9C09.C10.o2.gp	Method	AAT/GAP
Start	7620	End	9122
GI	76525_1.R1084	Score	1051
Exons	7620..7750, 8694..9122		
GI Descrip.	'5803272/dbj|BAA83582.1| 4.0e-32 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]'		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35748	Strand	+
Start	6389	End	11746
Name	OJ990817_11.9C09.C10.o4.np	Method	AAT/NAP
Start	8752	End	11743
GI	5803272	Score	2085
Exons	8752..9264, 9365..9498, 10738..10851, 10956..11142, 11236..11304, 11480..11743		
GI Descrip.	(AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35748	Strand	+
Start	6389	End	11746
Name	OJ990817_11.9C09.C10.o3.gp	Method	AAT/GAP
Start	10966	End	11622
GI	2428662	Score	714
Exons	10966..11142, 11236..11304, 11480..11622		
GI Descrip.	5803272/dbj|BAA83582.1| 3.0e-69 (AP000399) ESTs AU055950(S20175),C73125(E2952), AU055951(S20175) correspond to a region of the predicted gene; similar to acyl-ACP thioesterase (U92878) [Oryza sativa]		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35749	Strand	+
Start	11695	End	11924
Name	OJ990817_11.9C09.C10.o4.gp	Method	AAT/GAP
Start	11695	End	11924
GI	90269_1.R1084	Score	431
Exons	11695..11924		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic		

DNA, chromosome 6, clone:P0535G04'

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35750	Strand	-
Start	4062	End	4142
Name	OJ990817_11.9C09.C10.o1.gp	Method	AAT/GAP
Start	4062	End	4142
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	4062..4142		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35751	Strand	-
Start	4833	End	5480
Name	OJ990817_11.9C09.C10.o2.gs	Method	GENSCAN
Start	4833	End	5480
GI	none	Score	.92
Exons	4833..4885, 5031..5117, 5348..5480		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35751	Strand	-
Start	4833	End	5480
Name	OJ990817_11.9C09.C10.o2.np	Method	AAT/NAP
Start	4836	End	5480
GI	5803271	Score	401
Exons	4836..4885, 5031..5117, 5348..5480		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35752	Strand	-
Start	5768	End	7251
Name	OJ990817_11.9C09.C10.o3.np	Method	AAT/NAP
Start	5768	End	7251
GI	5852093	Score	52
Exons	5768..5886, 7176..7251		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35753	Strand	
Start	8749	End	11746
Name	OJ990817_11.9C09.C10.o1.tc	Method	TBLASTX:Cress
Start	8749	End	11695
GI	none	Score	75
Exons	8749..8799, 8881..8964, 8890..8964, 9001..9264, 9001..9258, 9006..9293, 9358..9501, 9359..9499, 9359..9508, 10688..10849, 10735..10827, 10944..11078, 10954..11085, 11223..11297, 11235..11303, 11236..11304, 11236..11310, 11477..11590, 11478..11579, 11479..11589, 11609..11695		

Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35753	Strand	
Start	8749	End	11746
Name	OJ990817_11.9C09.C10.o1.tm	Method	TBLASTX:Maize
Start	8812	End	11710
GI	none	Score	76

Exons	8812..8907, 8826..8915, 8827..8910, 8929..8955, 8980..9258, 8988..9281, 8995..9264, 9011..9283, 9138..9269, 9358..9456, 9358..9492, 9359..9499, 10736..10849, 10738..10851, 10739..10849, 10953..11081, 10954..11085, 11236..11319, 11477..11710, 11479..11583, 11647..11691		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35753	Strand	
Start	8749	End	11746
Name	OJ990817_11.9C09.C10.o1.ts	Method	TBLASTX:Soybean
Start	8911	End	11746
GI	none	Score	439
Exons	8911..9264, 8916..9293, 9358..9498, 9359..9499, 10738..10851, 10739..10849, 10950..11084, 10954..11085, 11217..11303, 11236..11304, 11236..11310, 11474..11581, 11477..11590, 11479..11592, 11621..11746, 11621..11731, 11626..11739		
Seq. No.	16949	Seq. ID	OJ990817_11.9C09.C10
Gene No.	35753	Strand	
Start	8749	End	11746
Name	OJ990817_11.9C09.C10.o1.tw	Method	TBLASTX:Wheat
Start	9139	End	9499
GI	none	Score	113
Exons	9139..9267, 9361..9498, 9362..9499		
Seq. No.	16950	Seq. ID	OJ990817_11.9C09.C11
Gene No.	35754	Strand	+
Start	1	End	143
Name	OJ990817_11.9C09.C11.o1.gp	Method	AAT/GAP
Start	1	End	143
GI	90269_1.R1084	Score	262
Exons	1..143		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	16950	Seq. ID	OJ990817_11.9C09.C11
Gene No.	35755	Strand	-
Start	731	End	1789
Name	OJ990817_11.9C09.C11.o1.gs	Method	GENSCAN
Start	731	End	1789
GI	none	Score	.51
Exons	731..863, 908..1046, 1723..1789		
Seq. No.	16950	Seq. ID	OJ990817_11.9C09.C11
Gene No.	35755	Strand	-
Start	731	End	1789
Name	OJ990817_11.9C09.C11.o1.np	Method	AAT/NAP
Start	734	End	1789
GI	5803273	Score	548
Exons	734..863, 908..1046, 1723..1789		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35756	Strand	+
Start	396	End	2683
Name	OJ990817_11.9C09.C12.o1.gs	Method	GENSCAN
Start	396	End	2516

GI	none	Score	1
Exons	396..2516		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35756	Strand	+
Start	396	End	2683
Name	OJ990817_11.9C09.C12.o1.np	Method	AAT/NAP
Start	396	End	2683
GI	5803274	Score	3940
Exons	396..2683		
GI Descrip.	(AP000399) similar to Arabidopsis thaliana BAC T5J8 from chromosome IV; hypothetical protein (AC004044) [Oryza sativa]		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35757	Strand	+
Start	10467	End	10888
Name	OJ990817_11.9C09.C12.o3.gp	Method	AAT/GAP
Start	10467	End	10888
GI	1255_1.R1084	Score	820
Exons	10467..10888		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-127 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35758	Strand	+
Start	21607	End	21855
Name	OJ990817_11.9C09.C12.o4.np	Method	AAT/NAP
Start	21607	End	21855
GI	6069646	Score	216
Exons	21607..21855		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35759	Strand	-
Start	3311	End	7743
Name	OJ990817_11.9C09.C12.o2.gs	Method	GENSCAN
Start	3311	End	7347
GI	none	Score	.88
Exons	3311..3424, 4170..4874, 5419..5439, 6016..6087, 6592..6672, 7027..7347		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35759	Strand	-
Start	3311	End	7743
Name	OJ990817_11.9C09.C12.o2.np	Method	AAT/NAP
Start	3314	End	7347
GI	5803275	Score	2166
Exons	3314..3424, 4170..4874, 5419..5439, 6016..6087, 6592..6672, 7027..7347		
GI Descrip.	(AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35759	Strand	-
Start	3311	End	7743
Name	OJ990817_11.9C09.C12.o1.gp	Method	AAT/GAP
Start	4001	End	4495
GI	uC-osflcyp009g01b1	Score	973
Exons	4001..4495		
GI Descrip.	'5803275/dbj|BAA83585.1| 5.0e-25 (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]'		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35759	Strand	-
Start	3311	End	7743
Name	OJ990817_11.9C09.C12.o2.gp	Method	AAT/GAP
Start	6593	End	7743
GI	35695_1.R1084	Score	979
Exons	6593..6672, 7027..7324, 7595..7743		
GI Descrip.	'5803275/dbj|BAA83585.1| 5.0e-64 (AP000399) EST AU056133(S20320) corresponds to a region of the predicted gene; similar to Caenorhabditis elegans cosmid D1054; hypothetical protein (Z74030) [Oryza sativa]'		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35760	Strand	-
Start	10901	End	16658
Name	OJ990817_11.9C09.C12.o3.np	Method	AAT/NAP
Start	10892	End	16420
GI	2829902	Score	1749
Exons	10892..11038, 11172..11248, 11588..12151, 12808..12934, 13037..13153, 13270..13377, 15397..15634, 15745..15952, 16029..16077, 16172..16420		
GI Descrip.	(AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35760	Strand	-
Start	10901	End	16658
Name	OJ990817_11.9C09.C12.o3.gs	Method	GENSCAN
Start	10901	End	12161
GI	none	Score	.87
Exons	10901..11038, 11172..11281, 11588..12161		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35760	Strand	-
Start	10901	End	16658
Name	OJ990817_11.9C09.C12.o4.gp	Method	AAT/GAP
Start	11627	End	13335
GI	9555_1.R1084	Score	1517
Exons	11627..12151, 12808..12934, 13037..13153, 13270..13335		
GI Descrip.	'2829902 4.0e-65 (AC002311) Putative sulphate transporter protein#protein [Arabidopsis thaliana]'		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35760	Strand	-
Start	10901	End	16658

Name	OJ990817_11.9C09.C12.o4.gs	Method	GENSCAN
Start	12752	End	16658
GI	none	Score	.77
Exons	12752..12807, 13037..13226, 13270..13377, 15397..15634, 15745..15909, 16029..16171, 16275..16658		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o3.tc	Method	TBLASTX:Cress
Start	510	End	2526
GI	none	Score	86
Exons	510..614, 516..680, 543..974, 690..731, 693..1073, 762..941, 954..1406, 963..1106, 1017..1166, 1065..1412, 1203..1556, 1338..1475, 1377..1664, 1398..1568, 1659..2231, 1797..1940, 1994..2191, 2010..2246, 2013..2222, 2076..2231, 2219..2356, 2223..2357, 2370..2459, 2458..2526		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o3.tm	Method	TBLASTX:Maize
Start	516	End	1928
GI	none	Score	74
Exons	516..680, 539..607, 735..776, 774..1016, 819..1196, 1392..1787, 1484..1882, 1485..1883, 1485..1883, 1501..1887, 1587..1919, 1764..1928		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o5.ts	Method	TBLASTX:Soybean
Start	576	End	2468
GI	none	Score	96
Exons	576..758, 1062..1247, 1461..1583, 2133..2468, 2136..2459		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o1.tw	Method	TBLASTX:Wheat
Start	645	End	2378
GI	none	Score	160
Exons	645..989, 710..931, 894..1079, 987..1247, 1581..1787, 1752..2018, 1905..2375, 2076..2378, 2199..2321		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o6.tm	Method	TBLASTX:Maize
Start	1938	End	2492
GI	none	Score	331
Exons	1938..2492, 1941..2267, 2010..2231, 2139..2318, 2249..2392		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o2.tm	Method	TBLASTX:Maize

Start	4130	End	5974
GI	none	Score	337
Exons	4130..4501, 4134..4319, 4136..4486, 4460..4573, 4496..4597, 4504..4590, 4589..4666, 4611..4877, 4627..4875, 4644..4877, 5741..5806, 5764..5901, 5764..5826, 5806..5853, 5807..5866, 5856..5903, 5903..5974, 5916..5942		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o2.ts	Method	TBLASTX:Soybean
Start	4320	End	7315
GI	none	Score	45
Exons	4320..4394, 4451..4492, 4481..4519, 4481..4558, 4624..4812, 4626..4877, 4627..4878, 4628..4885, 4629..4886, 5980..6090, 6009..6095, 6017..6088, 6583..6684, 6584..6673, 6587..6688, 6588..6674, 7012..7314, 7025..7315, 7028..7315		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o4.tm	Method	TBLASTX:Maize
Start	7003	End	7356
GI	none	Score	60
Exons	7003..7080, 7012..7317, 7019..7333, 7159..7356, 7263..7319		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o2.tc	Method	TBLASTX:Cress
Start	7054	End	7311
GI	none	Score	155
Exons	7054..7167, 7055..7165, 7168..7311, 7168..7311		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o1.tm	Method	TBLASTX:Maize
Start	10926	End	12120
GI	none	Score	125
Exons	10926..11039, 10946..11044, 11166..11258, 11592..11819, 11592..12119, 11593..12120		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o1.ts	Method	TBLASTX:Soybean
Start	10946	End	12877
GI	none	Score	416
Exons	10946..11044, 11166..11258, 11589..12152, 11590..12153, 12800..12877, 12807..12875		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o1.tc	Method	TBLASTX:Cress
Start	10988	End	16411

GI	none	Score	70
Exons	10988..11044, 11166..11258, 11589..12185, 11592..11822, 11662..12153, 12091..12189, 12795..12941, 12800..12940, 13035..13154, 13040..13153, 13319..13378, 15400..15639, 15407..15640, 15744..15950, 15754..15951, 16030..16080, 16034..16078, 16172..16411, 16176..16199, 16257..16376		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o2.tw	Method	TBLASTX:Wheat
Start	12084	End	13138
GI	none	Score	61
Exons	12084..12185, 12097..12153, 12800..12940, 12807..12941, 13035..13082, 13040..13138		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o5.tm	Method	TBLASTX:Maize
Start	12800	End	15806
GI	none	Score	192
Exons	12800..12946, 12807..12941, 13035..13154, 13037..13153, 13258..13377, 13267..13377, 13271..13378, 13301..13378, 15397..15633, 15398..15634, 15449..15634, 15451..15639, 15747..15806, 15754..15804		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o3.ts	Method	TBLASTX:Soybean
Start	15397	End	15936
GI	none	Score	110
Exons	15397..15639, 15416..15640, 15454..15651, 15735..15935, 15748..15936		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o7.tm	Method	TBLASTX:Maize
Start	15807	End	15952
GI	none	Score	149
Exons	15807..15950, 15817..15951, 15896..15952		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o4.ts	Method	TBLASTX:Soybean
Start	16028	End	16414
GI	none	Score	66
Exons	16028..16078, 16029..16079, 16030..16083, 16030..16080, 16172..16414, 16176..16199, 16257..16352		

Seq. No.	16951	Seq. ID	OJ990817_11.9C09.C12
Gene No.	35761	Strand	-
Start	18578	End	18732
Name	OJ990817_11.9C09.C12.o5.gp	Method	AAT/GAP

Start	18578	End	18732
GI	2797131	Score	293
Exons	18578..18732		

Seq. No.	16952	Seq. ID	OJ990817_11.9C09.C14
Gene No.	35762	Strand	-
Start	1862	End	1951
Name	OJ990817_11.9C09.C14.o1.np	Method	AAT/NAP
Start	1862	End	1951
GI	5852084	Score	85
Exons	1862..1951		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	16953	Seq. ID	OJ990817_11.9C09.C15
Gene No.	35763	Strand	-
Start	2284	End	2372
Name	OJ990817_11.9C09.C15.o1.gs	Method	GENSCAN
Start	2284	End	2372
GI	none	Score	.57
Exons	2284..2372		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.np	Method	AAT/NAP
Start	1	End	1160
GI	6453853	Score	541
Exons	1..128, 285..448, 565..671, 784..877, 964..1160		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.gs	Method	GENSCAN
Start	18	End	1160
GI	none	Score	.76
Exons	18..114, 304..448, 565..671, 784..829, 964..1160		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.gp	Method	AAT/GAP
Start	58	End	1053
GI	55249_1.R1084	Score	871
Exons	58..114, 304..448, 565..671, 784..877, 964..1053		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 2.0e-50 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.tm	Method	TBLASTX:Maize
Start	304	End	1162
GI	none	Score	135
Exons	304..450, 347..457, 358..450, 564..674, 571..669, 779..880,		

781..879, 783..881, 784..882, 786..884, 964..1143, 965..1162, 966..1157, 977..1162

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.ts	Method	TBLASTX:Soybean
Start	304	End	1168
GI	none	Score	99
Exons	304..441, 365..439, 544..672, 564..674, 779..880, 781..879, 964..1143, 966..1157, 968..1168		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.tw	Method	TBLASTX:Wheat
Start	325	End	1040
GI	none	Score	130
Exons	325..450, 347..457, 357..449, 359..463, 564..671, 564..674, 779..880, 781..879, 783..884, 783..881, 964..1038, 965..1036, 966..1040		

Seq. No.	16954	Seq. ID	OJ990817_11.9C09.C16
Gene No.	35764	Strand	-
Start	1	End	1168
Name	OJ990817_11.9C09.C16.o1.tc	Method	TBLASTX:Cress
Start	340	End	1067
GI	none	Score	65
Exons	340..441, 362..415, 365..451, 564..674, 565..672, 779..880, 781..879, 783..893, 790..882, 964..1065, 966..1067		

Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.tc	Method	TBLASTX:Cress
Start	168	End	1222
GI	none	Score	116
Exons	168..386, 218..334, 393..479, 415..480, 453..509, 454..507, 459..509, 595..753, 604..783, 908..982, 909..983, 1073..1222, 1077..1214, 1085..1222		

Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.ts	Method	TBLASTX:Soybean
Start	189	End	1222
GI	none	Score	148
Exons	189..341, 191..340, 393..509, 415..507, 418..519, 593..778, 594..779, 595..786, 604..783, 908..982, 909..983, 910..984, 1072..1221, 1073..1222, 1077..1214		

Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.tm	Method	TBLASTX:Maize
Start	191	End	1222
GI	none	Score	167

Exons	191..340, 201..341, 393..509, 394..507, 416..511, 599..685, 604..783, 607..738, 908..982, 909..983, 916..990, 1073..1222, 1077..1214, 1079..1222		
Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.tw	Method	TBLASTX:Wheat
Start	191	End	1103
GI	none	Score	124
Exons	191..337, 192..341, 227..340, 415..507, 417..509, 425..526, 594..782, 594..782, 604..783, 607..786, 901..978, 908..982, 908..982, 909..983, 1074..1103		
Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.gs	Method	GENSCAN
Start	203	End	1219
GI	none	Score	.92
Exons	203..338, 415..506, 607..783, 908..982, 1073..1219		
Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.gp	Method	AAT/GAP
Start	222	End	713
GI	14052_1.R1084	Score	550
Exons	222..338, 415..506, 607..713		
GI Descrip.	'5902363/gb|AAD55465.1|AC009322_5 3.0e-78 (AC009322) Putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]'		
Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o1.np	Method	AAT/NAP
Start	222	End	1799
GI	6453853	Score	804
Exons	222..338, 415..506, 607..783, 908..982, 1073..1224, 1727..1799		
GI Descrip.	(AC011717) putative coatomer protein complex, subunit beta 2 (beta prime) [Arabidopsis thaliana]		
Seq. No.	16955	Seq. ID	OJ990817_11.9C09.C17
Gene No.	35765	Strand	-
Start	203	End	1799
Name	OJ990817_11.9C09.C17.o2.tw	Method	TBLASTX:Wheat
Start	1104	End	1216
GI	none	Score	151
Exons	1104..1214, 1104..1214, 1105..1215, 1106..1216, 1106..1216		
Seq. No.	16956	Seq. ID	OJ990917_17.9C10.C2
Gene No.	35766	Strand	-
Start	1509	End	2915
Name	OJ990917_17.9C10.C2.o1.gs	Method	GENSCAN
Start	1509	End	2915
GI	none	Score	.89

Exons	1509..1523, 1576..1696, 2096..2149, 2552..2657, 2774..2915		
Seq. No.	16957	Seq. ID	OJ990917_17.9C10.C5
Gene No.	35767	Strand	+
Start	2436	End	4705
Name	OJ990917_17.9C10.C5.o1.gs	Method	GENSCAN
Start	2436	End	4705
GI	none	Score	.45
Exons	2436..2481, 3962..4001, 4112..4276, 4615..4705		
Seq. No.	16957	Seq. ID	OJ990917_17.9C10.C5
Gene No.	35768	Strand	+
Start	7510	End	8808
Name	OJ990917_17.9C10.C5.o2.gs	Method	GENSCAN
Start	7510	End	8808
GI	none	Score	.44
Exons	7510..7648, 8443..8593, 8643..8808		
Seq. No.	16958	Seq. ID	OJ990917_17.9C10.C6
Gene No.	35769	Strand	+
Start	1353	End	1606
Name	OJ990917_17.9C10.C6.o1.gs	Method	GENSCAN
Start	1353	End	1606
GI	none	Score	.68
Exons	1353..1484, 1519..1606		
Seq. No.	16959	Seq. ID	OJ990917_17.9C10.C7
Gene No.	35770	Strand	-
Start	1273	End	4026
Name	OJ990917_17.9C10.C7.o1.gs	Method	GENSCAN
Start	1273	End	4026
GI	none	Score	.73
Exons	1273..1419, 1730..1850, 2956..3038, 3079..3207, 3991..4026		
Seq. No.	16960	Seq. ID	OJ990917_17.9C10.C8
Gene No.	35771	Strand	+
Start	17	End	214
Name	OJ990917_17.9C10.C8.o1.gs	Method	GENSCAN
Start	17	End	214
GI	none	Score	.68
Exons	17..214		
Seq. No.	16960	Seq. ID	OJ990917_17.9C10.C8
Gene No.	35772	Strand	-
Start	1	End	1092
Name	OJ990917_17.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	698
GI	6539588	Score	65
Exons	1..47, 441..698		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	16960	Seq. ID	OJ990917_17.9C10.C8
Gene No.	35772	Strand	-
Start	1	End	1092
Name	OJ990917_17.9C10.C8.o2.gs	Method	GENSCAN
Start	430	End	1092
GI	none	Score	.83

Exons	430..600, 1036..1092		
Seq. No.	16961	Seq. ID	OJ990917_17.9C10.C10
Gene No.	35773	Strand	-
Start	498	End	2872
Name	OJ990917_17.9C10.C10.o1.np	Method	AAT/NAP
Start	419	End	2384
GI	2459409	Score	1134
Exons	419..1642, 2354..2384		
GI Descrip.	(AC002332) putative tyrosine-specific transport protein [Arabidopsis thaliana]		
Seq. No.	16961	Seq. ID	OJ990917_17.9C10.C10
Gene No.	35773	Strand	-
Start	498	End	2872
Name	OJ990917_17.9C10.C10.o1.gs	Method	GENSCAN
Start	498	End	2816
GI	none	Score	.75
Exons	498..1798, 2440..2816		
Seq. No.	16961	Seq. ID	OJ990917_17.9C10.C10
Gene No.	35773	Strand	-
Start	498	End	2872
Name	OJ990917_17.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	502	End	746
GI	none	Score	241
Exons	502..735, 502..744, 504..746		
Seq. No.	16961	Seq. ID	OJ990917_17.9C10.C10
Gene No.	35773	Strand	-
Start	498	End	2872
Name	OJ990917_17.9C10.C10.o2.np	Method	AAT/NAP
Start	1576	End	2872
GI	93144	Score	73
Exons	1576..1902, 2462..2524, 2614..2759, 2825..2872		
GI Descrip.	hypothetical protein - suid herpesvirus 1 (strain Indiana-Funkhuser or Becker) gi|334068 (M57505) ORF2 [Pseudorabies virus]		
Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35774	Strand	+
Start	13	End	1108
Name	OJ990917_17.9C10.C11.o1.gs	Method	GENSCAN
Start	13	End	1108
GI	none	Score	.81
Exons	13..101, 492..589, 993..1108		
Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35775	Strand	-
Start	2248	End	3922
Name	OJ990917_17.9C10.C11.o1.gp	Method	AAT/GAP
Start	2097	End	2531
GI	2280811	Score	782
Exons	2097..2531		
GI Descrip.	3738311 2.0e-13 (AC005309) unknown protein [Arabidopsis thaliana] >gi_4249406 (AC006072) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35775	Strand	-
Start	2248	End	3922
Name	OJ990917_17.9C10.C11.o1.np	Method	AAT/NAP
Start	2248	End	3874
GI	3738311	Score	1020
Exons	2248..3874		
GI Descrip.	(AC005309) unknown protein [Arabidopsis thaliana]		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35775	Strand	-
Start	2248	End	3922
Name	OJ990917_17.9C10.C11.o2.gs	Method	GENSCAN
Start	2248	End	3849
GI	none	Score	1
Exons	2248..3849		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35775	Strand	-
Start	2248	End	3922
Name	OJ990917_17.9C10.C11.o2.gp	Method	AAT/GAP
Start	3540	End	3922
GI	none	Score	743
Exons	3540..3922		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35776	Strand	-
Start	5154	End	7886
Name	OJ990917_17.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	2191	End	2578
GI	none	Score	172
Exons	2191..2436, 2229..2450, 2441..2470, 2501..2578, 2509..2574		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35776	Strand	-
Start	5154	End	7886
Name	OJ990917_17.9C10.C11.o1.tw	Method	TBLASTX:Wheat
Start	2793	End	3054
GI	none	Score	85
Exons	2793..2999, 2808..2921, 2815..3054, 2815..3054		

Seq. No.	16962	Seq. ID	OJ990917_17.9C10.C11
Gene No.	35776	Strand	-
Start	5154	End	7886
Name	OJ990917_17.9C10.C11.o3.gs	Method	GENSCAN
Start	5154	End	7886
GI	none	Score	.76
Exons	5154..5268, 5321..5481, 6237..6272, 7854..7886		

Seq. No.	16963	Seq. ID	OJ990917_17.9C10.C12
Gene No.	35777	Strand	-
Start	36	End	340
Name	OJ990917_17.9C10.C12.o1.gs	Method	GENSCAN
Start	36	End	340
GI	none	Score	.47
Exons	36..340		

Seq. No.	16964	Seq. ID	OJ990917_17.9C10.C13
Gene No.	35778	Strand	+
Start	172	End	472
Name	OJ990917_17.9C10.C13.o1.gs	Method	GENSCAN
Start	172	End	472
GI	none	Score	.47
Exons	172..472		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o1.gs	Method	GENSCAN
Start	25	End	709
GI	none	Score	.5
Exons	25..709		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	29	End	490
GI	none	Score	107
Exons	29..178, 46..168, 71..178, 76..246, 212..298, 212..388, 258..389, 422..490, 423..479		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o1.np	Method	AAT/NAP
Start	144	End	715
GI	4455212	Score	299
Exons	144..715		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	420	End	712
GI	none	Score	141
Exons	420..668, 437..712		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	428	End	670
GI	none	Score	102
Exons	428..589, 584..670		

Seq. No.	16965	Seq. ID	OJ990917_17.9C10.C17
Gene No.	35779	Strand	-
Start	25	End	715
Name	OJ990917_17.9C10.C17.o2.tm	Method	TBLASTX:Maize
Start	506	End	715

GI	none	Score	99
Exons	506..604, 507..605, 573..713,	605..715,	608..715

Seq. No.	16966	Seq. ID	OJ990917_17.9C10.C18
Gene No.	35780	Strand	+
Start	221	End	1018
Name	OJ990917_17.9C10.C18.o1.gs	Method	GENSCAN
Start	221	End	1018
GI	none	Score	.41
Exons	221..280, 336..503, 623..1018		

Seq. No.	16967	Seq. ID	OJ990917_17.9C10.C19
Gene No.	35781	Strand	+
Start	1	End	1008
Name	OJ990917_17.9C10.C19.o1.np	Method	AAT/NAP
Start	1	End	1008
GI	6539570	Score	191
Exons	1..182, 365..431, 982..1008		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16968	Seq. ID	OJ990917_17.9C10.C20
Gene No.	35782	Strand	-
Start	1566	End	2428
Name	OJ990917_17.9C10.C20.o1.gs	Method	GENSCAN
Start	1566	End	2428
GI	none	Score	.57
Exons	1566..1593, 2352..2428		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35783	Strand	-
Start	1635	End	4040
Name	OJ990917_17.9C10.C21.o1.np	Method	AAT/NAP
Start	1571	End	3250
GI	6539588	Score	222
Exons	1571..1598, 2535..2596, 2945..	3250	
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35783	Strand	-
Start	1635	End	4040
Name	OJ990917_17.9C10.C21.o2.gs	Method	GENSCAN
Start	1635	End	4040
GI	none	Score	.76
Exons	1635..1802, 3023..3223, 3873..	4040	

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35784	Strand	-
Start	5193	End	5572
Name	OJ990917_17.9C10.C21.o3.gs	Method	GENSCAN
Start	5193	End	5572
GI	none	Score	.51
Exons	5193..5364, 5568..5572		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o4.gs	Method	GENSCAN

Start	7198	End	8028
GI	none	Score	.85
Exons	7198..8028		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o2.np	Method	AAT/NAP
Start	7201	End	8028
GI	6730936	Score	1486
Exons	7201..8028		
GI Descrip.	(AB028182) OsNAC3 protein [Oryza sativa]		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o1.tc	Method	TBLASTX:Cress
Start	7456	End	7995
GI	none	Score	126
Exons	7456..7695, 7502..7702, 7708..7995, 7712..7825, 7937..7978		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o1.tm	Method	TBLASTX:Maize
Start	7474	End	7863
GI	none	Score	92
Exons	7474..7560, 7487..7546, 7508..7561, 7528..7557, 7598..7693, 7602..7634, 7603..7863, 7604..7828		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o1.ts	Method	TBLASTX:Soybean
Start	7501	End	7995
GI	none	Score	113
Exons	7501..7695, 7502..7690, 7537..7692, 7708..7995, 7715..7825, 7937..7978		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o2.tw	Method	TBLASTX:Wheat
Start	7510	End	7774
GI	none	Score	38
Exons	7510..7560, 7531..7554, 7598..7693, 7603..7698, 7607..7714, 7694..7774, 7705..7773		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o1.gp	Method	AAT/GAP
Start	7756	End	8077
GI	69232_1.R1084	Score	595
Exons	7756..8077		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 7.0e-48 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o1.tw	Method	TBLASTX:Wheat
Start	7775	End	8034
GI	none	Score	88
Exons	7775..7828, 7777..8034, 7924..8034		

Seq. No.	16969	Seq. ID	OJ990917_17.9C10.C21
Gene No.	35785	Strand	-
Start	7198	End	8109
Name	OJ990917_17.9C10.C21.o2.tm	Method	TBLASTX:Maize
Start	7864	End	8109
GI	none	Score	102
Exons	7864..8028, 7864..8037, 8050..8109		

Seq. No.	16970	Seq. ID	OJ990917_17.9C10.C22
Gene No.	35786	Strand	-
Start	95	End	1698
Name	OJ990917_17.9C10.C22.o1.gs	Method	GENSCAN
Start	95	End	1698
GI	none	Score	.8
Exons	95..160, 1329..1562, 1678..1698		

Seq. No.	16971	Seq. ID	OJ990917_17.9C10.C23
Gene No.	35787	Strand	+
Start	29	End	357
Name	OJ990917_17.9C10.C23.o1.gs	Method	GENSCAN
Start	29	End	357
GI	none	Score	.63
Exons	29..144, 264..357		

Seq. No.	16971	Seq. ID	OJ990917_17.9C10.C23
Gene No.	35788	Strand	-
Start	2030	End	4938
Name	OJ990917_17.9C10.C23.o2.gs	Method	GENSCAN
Start	2030	End	4938
GI	none	Score	.41
Exons	2030..2058, 2354..2480, 3619..3626, 4890..4938		

Seq. No.	16972	Seq. ID	OJ990917_17.9C10.C24
Gene No.	35789	Strand	-
Start	575	End	733
Name	OJ990917_17.9C10.C24.o1.gs	Method	GENSCAN
Start	575	End	733
GI	none	Score	.91
Exons	575..733		

Seq. No.	16973	Seq. ID	OJ990917_17.9C10.C25
Gene No.	35790	Strand	+
Start	3527	End	5236
Name	OJ990917_17.9C10.C25.o1.np	Method	AAT/NAP
Start	3527	End	5236
GI	6907086	Score	1359
Exons	3527..4304, 4365..4603, 4927..5236		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35791	Strand	+
Start	6728	End	7278
Name	OJ990917_17.9C10.C26.o5.np	Method	AAT/NAP
Start	6728	End	7278
GI	6907088	Score	535
Exons	6728..6865, 7041..7278		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o1.np	Method	AAT/NAP
Start	1	End	4745
GI	4680179	Score	3364
Exons	1..24, 252..2754, 2857..3677, 3916..4047, 4598..4745		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o3.tm	Method	TBLASTX:Maize
Start	281	End	539
GI	none	Score	231
Exons	281..538, 300..539		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o2.ts	Method	TBLASTX:Soybean
Start	299	End	554
GI	none	Score	182
Exons	299..547, 300..554		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o1.tc	Method	TBLASTX:Cress
Start	323	End	640
GI	none	Score	101
Exons	323..466, 339..464, 467..619, 467..640		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o2.tw	Method	TBLASTX:Wheat
Start	347	End	5856
GI	none	Score	260
Exons	347..871, 351..719, 5710..5856		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o1.tm	Method	TBLASTX:Maize
Start	914	End	1267
GI	none	Score	70

Exons 914..1267, 919..1245, 951..1265

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o1.tw	Method	TBLASTX:Wheat
Start	914	End	1340
GI	none	Score	104
Exons	914..1339, 916..1278, 929..1282, 966..1340		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o3.ts	Method	TBLASTX:Soybean
Start	1088	End	1333
GI	none	Score	213
Exons	1088..1333		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o2.tm	Method	TBLASTX:Maize
Start	1304	End	1804
GI	none	Score	153
Exons	1304..1639, 1625..1804		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o4.tw	Method	TBLASTX:Wheat
Start	1346	End	1642
GI	none	Score	176
Exons	1346..1642, 1383..1598		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o1.ts	Method	TBLASTX:Soybean
Start	1355	End	1750
GI	none	Score	134
Exons	1355..1714, 1383..1598, 1406..1714, 1638..1733, 1718..1750, 1718..1750		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o3.tw	Method	TBLASTX:Wheat
Start	1691	End	2174
GI	none	Score	166
Exons	1691..2173, 1700..2146, 1719..2174		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o4.tm	Method	TBLASTX:Maize
Start	1874	End	2162
GI	none	Score	82

Exons	1874..2146, 1874..2161, 1875..2162		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o5.tw	Method	TBLASTX:Wheat
Start	2321	End	2720
GI	none	Score	80
Exons	2321..2485, 2370..2489, 2498..2719, 2565..2720		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o6.tm	Method	TBLASTX:Maize
Start	2402	End	2740
GI	none	Score	66
Exons	2402..2740, 2613..2726		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o5.tm	Method	TBLASTX:Maize
Start	3035	End	3436
GI	none	Score	238
Exons	3035..3436		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o4.np	Method	AAT/NAP
Start	3242	End	7389
GI	4539658	Score	98
Exons	3242..3288, 5716..5909, 7293..7389		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o6.tw	Method	TBLASTX:Wheat
Start	3317	End	3694
GI	none	Score	263
Exons	3317..3694		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o2.np	Method	AAT/NAP
Start	4392	End	5109
GI	6002794	Score	1067
Exons	4392..5109		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o7.tm	Method	TBLASTX:Maize

Start	5439	End	5673
GI	none	Score	105
Exons	5439..5555, 5439..5558, 5440..5571, 5543..5659, 5549..5671, 5551..5673, 5551..5673		

Seq. No.	16974	Seq. ID	OJ990917_17.9C10.C26
Gene No.	35792	Strand	-
Start	1	End	7389
Name	OJ990917_17.9C10.C26.o3.np	Method	AAT/NAP
Start	5744	End	6909
GI	4539658	Score	95
Exons	5744..5888, 6881..6909		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	16975	Seq. ID	OJ990917_17.9C10.C27
Gene No.	35793	Strand	+
Start	483	End	5049
Name	OJ990917_17.9C10.C27.o1.gs	Method	GENSCAN
Start	483	End	4536
GI	none	Score	.5
Exons	483..522, 1611..1726, 2811..2984, 3372..3542, 3624..3810, 4222..4536		

Seq. No.	16975	Seq. ID	OJ990917_17.9C10.C27
Gene No.	35793	Strand	+
Start	483	End	5049
Name	OJ990917_17.9C10.C27.o1.np	Method	AAT/NAP
Start	3844	End	5049
GI	6907106	Score	368
Exons	3844..3956, 4172..4498, 4576..4799, 4874..5049		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16975	Seq. ID	OJ990917_17.9C10.C27
Gene No.	35794	Strand	-
Start	4541	End	5274
Name	OJ990917_17.9C10.C27.o1.gp	Method	AAT/GAP
Start	4541	End	5274
GI	6547_1.R1084	Score	1184
Exons	4541..5274		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 4.0e-52 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16975	Seq. ID	OJ990917_17.9C10.C27
Gene No.	35794	Strand	-
Start	4541	End	5274
Name	OJ990917_17.9C10.C27.o1.tm	Method	TBLASTX:Maize
Start	4590	End	4964
GI	none	Score	139
Exons	4590..4826, 4615..4722, 4623..4811, 4789..4827, 4816..4842, 4831..4866, 4896..4931, 4905..4964		

Seq. No.	16976	Seq. ID	OJ990917_17.9C10.C28
Gene No.	35795	Strand	-
Start	656	End	739
Name	OJ990917_17.9C10.C28.o1.gp	Method	AAT/GAP

Start	656	End	739
GI	2798151	Score	111
Exons	656..739		
GI Descrip.	5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	16977	Seq. ID	OJ990917_17.9C10.C29
Gene No.	35796	Strand	-
Start	519	End	595
Name	OJ990917_17.9C10.C29.o1.gs	Method	GENSCAN
Start	519	End	595
GI	none	Score	.77
Exons	519..595		

Seq. No.	16978	Seq. ID	OJ990917_17.9C10.C30
Gene No.	35797	Strand	-
Start	1	End	724
Name	OJ990917_17.9C10.C30.o1.np	Method	AAT/NAP
Start	1	End	724
GI	6907086	Score	827
Exons	1..121, 182..724		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16978	Seq. ID	OJ990917_17.9C10.C30
Gene No.	35797	Strand	-
Start	1	End	724
Name	OJ990917_17.9C10.C30.o1.gs	Method	GENSCAN
Start	207	End	621
GI	none	Score	.96
Exons	207..621		

Seq. No.	16979	Seq. ID	OJ990917_17.9C10.C32
Gene No.	35798	Strand	+
Start	217	End	353
Name	OJ990917_17.9C10.C32.o1.gs	Method	GENSCAN
Start	217	End	353
GI	none	Score	.74
Exons	217..353		

Seq. No.	16980	Seq. ID	OJ990917_17.9C10.C33
Gene No.	35799	Strand	-
Start	75	End	511
Name	OJ990917_17.9C10.C33.o1.gs	Method	GENSCAN
Start	75	End	511
GI	none	Score	.42
Exons	75..295, 457..511		

Seq. No.	16981	Seq. ID	OJ990917_17.9C10.C35
Gene No.	35800	Strand	-
Start	109	End	222
Name	OJ990917_17.9C10.C35.o1.gs	Method	GENSCAN
Start	109	End	222
GI	none	Score	.47
Exons	109..222		

Seq. No.	16982	Seq. ID	OJ990917_17.9C10.C36
Gene No.	35801	Strand	-

Start	331	End	628
Name	OJ990917_17.9C10.C36.o1.tw	Method	TBLASTX:Wheat
Start	318	End	628
GI	none	Score	97
Exons	318..542, 352..594, 355..627,	356..628	

Seq. No.	16982	Seq. ID	OJ990917_17.9C10.C36
Gene No.	35801	Strand	-
Start	331	End	628
Name	OJ990917_17.9C10.C36.o1.gs	Method	GENSCAN
Start	331	End	474
GI	none	Score	.85
Exons	331..474		

Seq. No.	16982	Seq. ID	OJ990917_17.9C10.C36
Gene No.	35801	Strand	-
Start	331	End	628
Name	OJ990917_17.9C10.C36.o1.np	Method	AAT/NAP
Start	349	End	628
GI	4539660	Score	354
Exons	349..628		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	16982	Seq. ID	OJ990917_17.9C10.C36
Gene No.	35801	Strand	-
Start	331	End	628
Name	OJ990917_17.9C10.C36.o1.tm	Method	TBLASTX:Maize
Start	410	End	627
GI	none	Score	134
Exons	410..607, 412..627, 418..621		

Seq. No.	16983	Seq. ID	OJ990917_17.9C10.C37
Gene No.	35802	Strand	-
Start	296	End	456
Name	OJ990917_17.9C10.C37.o1.gs	Method	GENSCAN
Start	296	End	456
GI	none	Score	.73
Exons	296..456		

Seq. No.	16984	Seq. ID	OJ990917_17.9C10.C38
Gene No.	35803	Strand	-
Start	760	End	868
Name	OJ990917_17.9C10.C38.o1.gs	Method	GENSCAN
Start	760	End	868
GI	none	Score	.42
Exons	760..868		

Seq. No.	16985	Seq. ID	OJ990917_17.9C10.C39
Gene No.	35804	Strand	+
Start	1	End	2707
Name	OJ990917_17.9C10.C39.o1.np	Method	AAT/NAP
Start	1	End	2707
GI	6069646	Score	1159
Exons	1..30, 1961..2707		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	16985	Seq. ID	OJ990917_17.9C10.C39
Gene No.	35805	Strand	-
Start	1955	End	4317
Name	OJ990917_17.9C10.C39.o1.gs	Method	GENSCAN
Start	1955	End	4317
GI	none	Score	.61
Exons	1955..2012, 2238..2371, 2520..2572, 4148..4317		

Seq. No.	16985	Seq. ID	OJ990917_17.9C10.C39
Gene No.	35805	Strand	-
Start	1955	End	4317
Name	OJ990917_17.9C10.C39.o1.tm	Method	TBLASTX:Maize
Start	2132	End	2692
GI	none	Score	323
Exons	2132..2467, 2203..2448, 2468..2692		

Seq. No.	16985	Seq. ID	OJ990917_17.9C10.C39
Gene No.	35805	Strand	-
Start	1955	End	4317
Name	OJ990917_17.9C10.C39.o1.tw	Method	TBLASTX:Wheat
Start	2228	End	2581
GI	none	Score	211
Exons	2228..2425, 2257..2421, 2549..2581		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.np	Method	AAT/NAP
Start	1	End	2647
GI	6630696	Score	3996
Exons	1..2647		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.gs	Method	GENSCAN
Start	132	End	2576
GI	none	Score	.58
Exons	132..168, 279..389, 691..1301, 1473..1736, 2010..2576		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.tm	Method	TBLASTX:Maize
Start	255	End	658
GI	none	Score	425
Exons	255..656, 274..630, 278..658		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647

Name	OJ990917_17.9C10.C41.o4.ts	Method	TBLASTX:Soybean
Start	588	End	986
GI	none	Score	85
Exons	588..749, 738..986		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o3.tm	Method	TBLASTX:Maize
Start	774	End	1208
GI	none	Score	256
Exons	774..1208, 1028..1135		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o3.tw	Method	TBLASTX:Wheat
Start	851	End	1043
GI	none	Score	194
Exons	851..1042, 852..989, 852..1043, 859..1026		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o2.ts	Method	TBLASTX:Soybean
Start	998	End	1394
GI	none	Score	156
Exons	998..1258, 1038..1217, 1221..1394		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.tw	Method	TBLASTX:Wheat
Start	1044	End	1799
GI	none	Score	862
Exons	1044..1799, 1052..1795, 1266..1799		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.ts	Method	TBLASTX:Soybean
Start	1719	End	2183
GI	5509260	Score	338
Exons	1719..2183, 1811..1975, 2006..2038		
GI Descrip.	-		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o1.tc	Method	TBLASTX:Cress
Start	1811	End	2072
GI	none	Score	241
Exons	1811..1984, 1812..2072		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647

Name	OJ990917_17.9C10.C41.o2.tm	Method	TBLASTX:Maize
Start	1860	End	2318
GI	none	Score	310
Exons	1860..2318, 1867..1932, 1868..1984, 2007..2069, 2105..2203, 2269..2301		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o2.tw	Method	TBLASTX:Wheat
Start	1869	End	2623
GI	none	Score	272
Exons	1869..2198, 1871..2038, 2190..2399, 2267..2371, 2504..2623		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o3.ts	Method	TBLASTX:Soybean
Start	2252	End	2557
GI	none	Score	145
Exons	2252..2416, 2253..2411, 2406..2525, 2411..2557, 2412..2525		

Seq. No.	16986	Seq. ID	OJ990917_17.9C10.C41
Gene No.	35806	Strand	+
Start	1	End	2647
Name	OJ990917_17.9C10.C41.o4.tm	Method	TBLASTX:Maize
Start	2402	End	2646
GI	none	Score	129
Exons	2402..2563, 2409..2567, 2503..2568, 2504..2569, 2563..2646, 2564..2632		

Seq. No.	16987	Seq. ID	OJ990917_17.9C10.C42
Gene No.	35807	Strand	+
Start	1	End	3470
Name	OJ990917_17.9C10.C42.o1.np	Method	AAT/NAP
Start	1	End	467
GI	6630696	Score	625
Exons	1..467		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16987	Seq. ID	OJ990917_17.9C10.C42
Gene No.	35807	Strand	+
Start	1	End	3470
Name	OJ990917_17.9C10.C42.o1.tw	Method	TBLASTX:Wheat
Start	7	End	328
GI	none	Score	130
Exons	7..324, 12..245, 13..297, 14..328, 14..325		

Seq. No.	16987	Seq. ID	OJ990917_17.9C10.C42
Gene No.	35807	Strand	+
Start	1	End	3470
Name	OJ990917_17.9C10.C42.o1.gs	Method	GENSCAN
Start	128	End	3470
GI	none	Score	.78
Exons	128..268, 951..996, 1568..1694, 2390..2418, 2903..2968,		

3409..3470

Seq. No.	16987	Seq. ID	OJ990917_17.9C10.C42
Gene No.	35807	Strand	+
Start	1	End	3470
Name	OJ990917_17.9C10.C42.o2.tw	Method	TBLASTX:Wheat
Start	613	End	976
GI	none	Score	39
Exons	613..678, 646..756, 686..754, 831..896, 832..972, 839..976	756..794, 756..971, 757..795,	

Seq. No.	16988	Seq. ID	OJ990917_17.9C10.C43
Gene No.	35808	Strand	-
Start	795	End	945
Name	OJ990917_17.9C10.C43.o1.gs	Method	GENSCAN
Start	795	End	945
GI	none	Score	.87
Exons	795..945		

Seq. No.	16989	Seq. ID	OJ990917_17.9C10.C44
Gene No.	35809	Strand	-
Start	26	End	133
Name	OJ990917_17.9C10.C44.o1.gs	Method	GENSCAN
Start	26	End	133
GI	none	Score	.64
Exons	26..133		

Seq. No.	16990	Seq. ID	OJ990517_06.9C23.C1
Gene No.	35810	Strand	+
Start	332	End	689
Name	OJ990517_06.9C23.C1.o1.np	Method	AAT/NAP
Start	332	End	689
GI	4539658	Score	76
Exons	332..465, 604..689		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	16990	Seq. ID	OJ990517_06.9C23.C1
Gene No.	35811	Strand	-
Start	602	End	689
Name	OJ990517_06.9C23.C1.o2.np	Method	AAT/NAP
Start	602	End	689
GI	6478216	Score	75
Exons	602..689		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	16991	Seq. ID	OJ990517_06.9C23.C2
Gene No.	35812	Strand	+
Start	398	End	1249
Name	OJ990517_06.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	10	End	184
GI	none	Score	175
Exons	10..147, 32..160, 125..184		

Seq. No.	16991	Seq. ID	OJ990517_06.9C23.C2
Gene No.	35812	Strand	+

Start	398	End	1249
Name	OJ990517_06.9C23.C2.o1.np	Method	AAT/NAP
Start	398	End	1060
GI	5441880	Score	340
Exons	398..433, 692..1060		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	16991	Seq. ID	OJ990517_06.9C23.C2
Gene No.	35812	Strand	+
Start	398	End	1249
Name	OJ990517_06.9C23.C2.o1.gs	Method	GENSCAN
Start	590	End	1249
GI	none	Score	.63
Exons	590..1249		

Seq. No.	16992	Seq. ID	OJ990517_06.9C23.C3
Gene No.	35813	Strand	+
Start	640	End	819
Name	OJ990517_06.9C23.C3.o1.np	Method	AAT/NAP
Start	640	End	819
GI	5441880	Score	128
Exons	640..819		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	16993	Seq. ID	OJ990517_06.9C23.C4
Gene No.	35814	Strand	+
Start	761	End	5675
Name	OJ990517_06.9C23.C4.o1.gs	Method	GENSCAN
Start	761	End	5675
GI	none	Score	.5
Exons	761..826, 1329..1506, 1669..1774, 1877..1989, 3163..3311, 4559..4683, 5224..5291, 5318..5439, 5624..5675		

Seq. No.	16993	Seq. ID	OJ990517_06.9C23.C4
Gene No.	35815	Strand	-
Start	1	End	2849
Name	OJ990517_06.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	2849
GI	6721516	Score	569
Exons	1..437, 850..1098, 2797..2849		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16993	Seq. ID	OJ990517_06.9C23.C4
Gene No.	35816	Strand	-
Start	6135	End	6559
Name	OJ990517_06.9C23.C4.o2.gs	Method	GENSCAN
Start	6135	End	6559
GI	none	Score	.42
Exons	6135..6289, 6302..6559		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35817	Strand	+
Start	376	End	1398

Name	OJ990517_06.9C23.C5.o1.np	Method	AAT/NAP
Start	376	End	1398
GI	6553884	Score	483
Exons	376..499, 704..1398		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35818	Strand	+
Start	1340	End	1701
Name	OJ990517_06.9C23.C5.o1.gp	Method	AAT/GAP
Start	1340	End	1701
GI	none	Score	662
Exons	1340..1701		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35819	Strand	+
Start	3823	End	4117
Name	OJ990517_06.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	945	End	1401
GI	none	Score	206
Exons	945..995, 1043..1252, 1044..1394, 1068..1400, 1069..1401		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35819	Strand	+
Start	3823	End	4117
Name	OJ990517_06.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	1068	End	1424
GI	none	Score	217
Exons	1068..1214, 1069..1212, 1228..1266, 1257..1400, 1258..1401, 1269..1424		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35819	Strand	+
Start	3823	End	4117
Name	OJ990517_06.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	1069	End	1401
GI	none	Score	361
Exons	1069..1401, 1098..1400		

Seq. No.	16994	Seq. ID	OJ990517_06.9C23.C5
Gene No.	35819	Strand	+
Start	3823	End	4117
Name	OJ990517_06.9C23.C5.o2.gp	Method	AAT/GAP
Start	3823	End	4117
GI	LIB3432-016-P1-K1-B4	Score	446
Exons	3823..4117		
GI Descrip.	'671740/emb|CAA59218| 3.0e-26 (X84730) ribulose-bisphosphate carboxylase [synthetic construct]'		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35820	Strand	+
Start	5767	End	9111
Name	OJ990517_06.9C23.C6.o1.np	Method	AAT/NAP
Start	5722	End	9111
GI	4406778	Score	3298
Exons	5722..9111		
GI Descrip.	(AC006532) putative receptor protein kinase [Arabidopsis		

thaliana]

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35820	Strand	+
Start	5767	End	9111
Name	OJ990517_06.9C23.C6.o2.gs	Method	GENSCAN
Start	5767	End	7989
GI	none	Score	1
Exons	5767..7989		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35820	Strand	+
Start	5767	End	9111
Name	OJ990517_06.9C23.C6.o3.gs	Method	GENSCAN
Start	8082	End	9097
GI	none	Score	.62
Exons	8082..8786, 8858..9097		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35821	Strand	-
Start	4263	End	4828
Name	OJ990517_06.9C23.C6.o1.gs	Method	GENSCAN
Start	4263	End	4828
GI	none	Score	.83
Exons	4263..4398, 4404..4658, 4722..4828		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	6119	End	7812
GI	none	Score	44
Exons	6119..6163, 6173..6262, 6178..6297, 6322..6513, 6331..6420, 6333..6530, 6345..6518, 6357..6521, 6402..6524, 6436..6537, 6437..6529, 6437..6523, 6440..6514, 6472..6531, 6475..6555, 6535..6663, 6538..6654, 6541..6672, 6541..6678, 6544..6720, 6553..6660, 6651..6800, 6691..6819, 6766..6825, 6829..7101, 6829..7029, 6838..7170, 6838..7101, 6847..7317, 6853..7047, 6861..7163, 6861..7103, 6862..7071, 6873..7163, 6906..7292, 6907..7326, 6934..7170, 6991..7245, 7005..7295, 7006..7329, 7056..7295, 7063..7317, 7135..7332, 7141..7326, 7150..7242, 7195..7356, 7223..7261, 7504..7665, 7507..7812, 7540..7740, 7540..7674, 7546..7809, 7546..7809, 7546..7755, 7555..7809, 7555..7809		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o2.tc	Method	TBLASTX:Cress
Start	6166	End	8834
GI	none	Score	58
Exons	6166..6264, 6181..6297, 6193..6306, 6298..6420, 6318..6512, 6319..6420, 6322..6546, 6322..6420, 6324..6371, 6331..6420, 6382..6525, 6429..6548, 6475..6528, 6541..6660, 6541..6672, 6544..6672, 6553..6669, 6553..6663, 6559..6663, 6637..6819, 6637..6810, 6637..6819, 6637..6819, 6643..6819, 6655..6801, 6673..6810, 6673..6819, 6832..7257, 6835..7329, 6835..7329,		

6838..7314, 6838..7191, 6838..7332, 6841..7329, 6847..7170,
6847..7332, 6861..7055, 6939..7163, 6940..7314, 7012..7320,
7060..7332, 7065..7295, 7135..7317, 7198..7329, 7504..7812,
7507..7671, 7510..7809, 7531..7812, 7531..7806, 7540..7812,
7540..7809, 7546..7686, 7546..7809, 7549..7617, 7549..7821,
7555..7809, 7687..7809, 7741..7872, 8736..8834

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o2.tw	Method	TBLASTX:Wheat
Start	6247	End	7812
GI	none	Score	103

Exons 6247..6510, 6358..6420, 6523..6723, 6544..6654, 6580..6663,
6654..6788, 6838..6954, 6873..7025, 6874..7026, 6964..7170,
7017..7163, 7090..7242, 7120..7314, 7158..7295, 7252..7329,
7441..7728, 7525..7662, 7546..7662, 7618..7812, 7672..7809

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	6298	End	7809
GI	none	Score	83

Exons 6298..6420, 6310..6420, 6331..6420, 6342..6524, 6472..6525,
6475..6528, 6490..6525, 6529..6663, 6538..6666, 6541..6666,
6541..6672, 6553..6717, 6553..6663, 6637..6825, 6640..6831,
6643..6819, 6655..6801, 6673..6843, 6835..7170, 6835..7329,
6838..7314, 6838..7332, 6841..7329, 6867..7055, 6910..7332,
7140..7274, 7161..7292, 7189..7329, 7510..7809, 7510..7806,
7540..7809, 7540..7809, 7546..7809, 7555..7809, 7555..7671,
7609..7809

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	8166	End	9073
GI	none	Score	447

Exons 8166..8495, 8171..8494, 8508..8834, 8546..8818, 8851..8895,
8852..8908, 8969..9073

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	8201	End	8686
GI	none	Score	386

Exons 8201..8494, 8223..8495, 8508..8684, 8540..8686

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	8345	End	9073
GI	none	Score	204

Exons 8345..8494, 8346..8495, 8526..8834, 8543..8818, 8870..8914,

8969..9073

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	8348	End	8765
GI	none	Score	139
Exons	8348..8515, 8349..8516, 8498..8686, 8505..8708, 8730..8765		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o4.gs	Method	GENSCAN
Start	9461	End	11794
GI	none	Score	.93
Exons	9461..9706, 9896..10075, 10193..10439, 11439..11794		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o2.np	Method	AAT/NAP
Start	9488	End	11764
GI	6478216	Score	775
Exons	9488..9706, 9896..10075, 10193..10439, 11439..11764		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o4.tm	Method	TBLASTX:Maize
Start	9488	End	10438
GI	none	Score	107
Exons	9488..9544, 9551..9709, 9587..9709, 9882..10076, 9893..10114, 9910..10077, 10180..10314, 10188..10361, 10190..10363, 10367..10438		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o3.ts	Method	TBLASTX:Soybean
Start	9560	End	11716
GI	none	Score	55
Exons	9560..9709, 9893..9979, 9897..9980, 9989..10078, 9990..10052, 10185..10346, 10190..10360, 10391..10441, 11426..11656, 11457..11657, 11687..11716		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o3.tc	Method	TBLASTX:Cress
Start	9932	End	11716
GI	none	Score	79
Exons	9932..10114, 9933..10076, 10188..10307, 10190..10306, 10403..10441, 11436..11666, 11444..11662, 11663..11716		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o1.gp	Method	AAT/GAP
Start	10398	End	11834
GI	uC-osflcyp023b05b1	Score	840
Exons	10398..10439, 11439..11834		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	16995	Seq. ID	OJ990517_06.9C23.C6
Gene No.	35822	Strand	-
Start	9461	End	11834
Name	OJ990517_06.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	11480	End	11735
GI	none	Score	88
Exons	11480..11734, 11483..11572, 11484..11660, 11691..11735		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.gs	Method	GENSCAN
Start	1074	End	7499
GI	none	Score	.83
Exons	1074..1219, 1752..1907, 2021..2158, 2391..2565, 2896..3075, 5636..5885, 7090..7499		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.np	Method	AAT/NAP
Start	2395	End	7412
GI	6478216	Score	799
Exons	2395..2613, 2896..3075, 5636..5885, 7090..7412		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o2.tm	Method	TBLASTX:Maize
Start	2395	End	5881
GI	none	Score	114
Exons	2395..2451, 2470..2616, 2473..2613, 2514..2615, 2528..2629, 2876..3076, 2893..3078, 2923..3078, 5627..5800, 5634..5792, 5828..5881, 5832..5876		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.gp	Method	AAT/GAP
Start	2404	End	5762
GI	2801031	Score	867
Exons	2404..2613, 2896..3075, 5636..5762		
GI Descrip.	2792155/emb|CAA11226| 1.0e-28 (AJ223291) chalcone reductase [Sesbania rostrata]		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	2467	End	7322
GI	none	Score	174
Exons	2467..2613, 2989..3078, 5627..5788, 5628..5789, 5828..5902, 7128..7322		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.tc	Method	TBLASTX:Cress
Start	2929	End	7317
GI	none	Score	87
Exons	2929..3141, 5618..5752, 5634..5750, 5849..5887, 7116..7316, 7234..7317		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o2.gp	Method	AAT/GAP
Start	5767	End	7455
GI	64574_1.R1084	Score	861
Exons	5767..5885, 7090..7455		
GI Descrip.	'2792295 8.0e-24 (AF039182) unknown [Fragaria x ananassa]'		

Seq. No.	16996	Seq. ID	OJ990517_06.9C23.C8
Gene No.	35823	Strand	-
Start	1074	End	7499
Name	OJ990517_06.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	7131	End	7400
GI	none	Score	120
Exons	7131..7304, 7140..7304, 7314..7400, 7315..7395		

Seq. No.	16997	Seq. ID	OJ990517_06.9C23.C9
Gene No.	35824	Strand	+
Start	1338	End	1489
Name	OJ990517_06.9C23.C9.o1.np	Method	AAT/NAP
Start	1338	End	1489
GI	6815099	Score	70
Exons	1338..1489		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	16997	Seq. ID	OJ990517_06.9C23.C9
Gene No.	35825	Strand	+
Start	6102	End	6474
Name	OJ990517_06.9C23.C9.o3.np	Method	AAT/NAP
Start	6102	End	6474
GI	6721512	Score	107
Exons	6102..6232, 6260..6390, 6432..6474		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16997	Seq. ID	OJ990517_06.9C23.C9
Gene No.	35826	Strand	-
Start	3831	End	5281
Name	OJ990517_06.9C23.C9.o2.np	Method	AAT/NAP

Start	3831	End	5281
GI	6478216	Score	220
Exons	3831..4057, 4408..4581, 5210..5281		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	16998	Seq. ID	OJ990517_06.9C23.C11
Gene No.	35827	Strand	+
Start	144	End	236
Name	OJ990517_06.9C23.C11.o1.gs	Method	GENSCAN
Start	144	End	236
GI	none	Score	1
Exons	144..236		

Seq. No.	16999	Seq. ID	OJ990517_06.9C23.C12
Gene No.	35828	Strand	+
Start	736	End	2947
Name	OJ990517_06.9C23.C12.o1.gs	Method	GENSCAN
Start	736	End	2947
GI	none	Score	.56
Exons	736..915, 2840..2947		

Seq. No.	16999	Seq. ID	OJ990517_06.9C23.C12
Gene No.	35829	Strand	-
Start	3430	End	3998
Name	OJ990517_06.9C23.C12.o1.gp	Method	AAT/GAP
Start	3430	End	3998
GI	4879016	Score	856
Exons	3430..3998		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	16999	Seq. ID	OJ990517_06.9C23.C12
Gene No.	35830	Strand	
Start	4961	End	5266
Name	OJ990517_06.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	4961	End	5266
GI	none	Score	217
Exons	4961..5266		

Seq. No.	17000	Seq. ID	OJ990517_06.9C23.C14
Gene No.	35831	Strand	-
Start	1	End	518
Name	OJ990517_06.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	518
GI	5441880	Score	581
Exons	1..518		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17000	Seq. ID	OJ990517_06.9C23.C14
Gene No.	35831	Strand	-
Start	1	End	518
Name	OJ990517_06.9C23.C14.o1.gs	Method	GENSCAN
Start	199	End	476

GI	none	Score	.5
Exons	199..476		

Seq. No.	17001	Seq. ID	OJ990517_06.9C23.C15
Gene No.	35832	Strand	+
Start	97	End	345
Name	OJ990517_06.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	96	End	318
GI	none	Score	196
Exons	96..236, 97..255, 262..318		

Seq. No.	17001	Seq. ID	OJ990517_06.9C23.C15
Gene No.	35832	Strand	+
Start	97	End	345
Name	OJ990517_06.9C23.C15.o1.np	Method	AAT/NAP
Start	97	End	318
GI	6478208	Score	184
Exons	97..318		
GI Descrip.	(AF108434) NADPH-dependent codeinone reductase [Papaver somniferum]		

Seq. No.	17001	Seq. ID	OJ990517_06.9C23.C15
Gene No.	35832	Strand	+
Start	97	End	345
Name	OJ990517_06.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	97	End	309
GI	none	Score	162
Exons	97..246, 108..254, 262..309		

Seq. No.	17001	Seq. ID	OJ990517_06.9C23.C15
Gene No.	35832	Strand	+
Start	97	End	345
Name	OJ990517_06.9C23.C15.o1.gs	Method	GENSCAN
Start	100	End	345
GI	none	Score	.53
Exons	100..345		

Seq. No.	17002	Seq. ID	OJ990517_06.9C23.C17
Gene No.	35833	Strand	+
Start	80	End	192
Name	OJ990517_06.9C23.C17.o1.gs	Method	GENSCAN
Start	80	End	192
GI	none	Score	.96
Exons	80..192		

Seq. No.	17003	Seq. ID	OJ990517_06.9C23.C20
Gene No.	35834	Strand	+
Start	1	End	808
Name	OJ990517_06.9C23.C20.o1.np	Method	AAT/NAP
Start	1	End	808
GI	6907089	Score	278
Exons	1..599, 733..808		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17003	Seq. ID	OJ990517_06.9C23.C20
Gene No.	35834	Strand	+
Start	1	End	808

Name	OJ990517_06.9C23.C20.o2.np	Method	AAT/NAP
Start	438	End	808
GI	6721558	Score	82
Exons	438..533, 662..808		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17003	Seq. ID	OJ990517_06.9C23.C20
Gene No.	35835	Strand	-
Start	197	End	535
Name	OJ990517_06.9C23.C20.o1.gs	Method	GENSCAN
Start	197	End	535
GI	none	Score	.83
Exons	197..362, 405..535		

Seq. No.	17004	Seq. ID	OJ990517_06.9C23.C21
Gene No.	35836	Strand	+
Start	93	End	247
Name	OJ990517_06.9C23.C21.o1.gs	Method	GENSCAN
Start	93	End	247
GI	none	Score	.45
Exons	93..247		

Seq. No.	17005	Seq. ID	OJ990517_06.9C23.C22
Gene No.	35837	Strand	-
Start	1	End	406
Name	OJ990517_06.9C23.C22.o1.np	Method	AAT/NAP
Start	1	End	406
GI	6907086	Score	214
Exons	1..406		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17005	Seq. ID	OJ990517_06.9C23.C22
Gene No.	35837	Strand	-
Start	1	End	406
Name	OJ990517_06.9C23.C22.o1.gs	Method	GENSCAN
Start	126	End	310
GI	none	Score	.69
Exons	126..310		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35838	Strand	+
Start	1582	End	2185
Name	OJ990517_06.9C23.C23.o1.gs	Method	GENSCAN
Start	1582	End	2185
GI	none	Score	.95
Exons	1582..1632, 2111..2185		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35839	Strand	+
Start	7698	End	10748
Name	OJ990517_06.9C23.C23.o3.np	Method	AAT/NAP
Start	7657	End	9839
GI	6721561	Score	1169
Exons	7657..7691, 8654..8880, 8951..9009, 9075..9839		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the		

predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35839	Strand	+
Start	7698	End	10748
Name	OJ990517_06.9C23.C23.o2.np	Method	AAT/NAP
Start	7698	End	9736
GI	6721558	Score	250
Exons	7698..7797, 8497..8631, 9265..9348, 9605..9736		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35839	Strand	+
Start	7698	End	10748
Name	OJ990517_06.9C23.C23.o3.gs	Method	GENSCAN
Start	7698	End	10748
GI	none	Score	.54
Exons	7698..8051, 8163..8331, 8497..8594, 8734..8880, 8951..9009, 9303..9778, 9977..10120, 10231..10748		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35840	Strand	-
Start	200	End	1628
Name	OJ990517_06.9C23.C23.o1.np	Method	AAT/NAP
Start	200	End	1628
GI	6907088	Score	1036
Exons	200..580, 1075..1314, 1491..1628		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35841	Strand	-
Start	5661	End	7075
Name	OJ990517_06.9C23.C23.o2.gs	Method	GENSCAN
Start	5661	End	7075
GI	none	Score	.89
Exons	5661..5764, 5839..6092, 6169..6311, 7052..7075		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o4.gs	Method	GENSCAN
Start	11362	End	13378
GI	none	Score	.72
Exons	11362..11609, 11712..12101, 12378..12752, 12799..13378		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o4.np	Method	AAT/NAP
Start	11365	End	13533
GI	5902445	Score	1787
Exons	11365..12706, 12741..13533		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o1.tw	Method	TBLASTX:Wheat
Start	11374	End	11983
GI	none	Score	77
Exons	11374..11505, 11530..11979, 11726..11833, 11726..11983, 11879..11983		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o2.tw	Method	TBLASTX:Wheat
Start	12106	End	12489
GI	none	Score	173
Exons	12106..12489, 12107..12481		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	12184	End	12489
GI	none	Score	153
Exons	12184..12489, 12185..12472		

Seq. No.	17006	Seq. ID	OJ990517_06.9C23.C23
Gene No.	35842	Strand	-
Start	11362	End	13533
Name	OJ990517_06.9C23.C23.o3.tw	Method	TBLASTX:Wheat
Start	12992	End	13448
GI	none	Score	40
Exons	12992..13057, 12992..13165, 13044..13136, 13173..13448, 13175..13435		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o1.np	Method	AAT/NAP
Start	1	End	4275
GI	5902444	Score	920
Exons	1..1418, 1755..1857, 4230..4275		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o1.tw	Method	TBLASTX:Wheat
Start	2	End	391
GI	none	Score	85
Exons	2..160, 2..172, 9..170, 209..391, 210..383		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o1.gs	Method	GENSCAN

Start	41	End	4850
GI	none	Score	.42
Exons	41..351, 457..1170, 1399..1857, 1972..2578, 2718..2915, 3073..3368, 3370..3448, 3732..3909, 4510..4591, 4641..4774, 4783..4850		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o2.tw	Method	TBLASTX:Wheat
Start	974	End	1372
GI	none	Score	246
Exons	974..1372		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o2.np	Method	AAT/NAP
Start	1659	End	4835
GI	6478216	Score	327
Exons	1659..1698, 3386..3485, 3649..3909, 4510..4835		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35843	Strand	-
Start	1	End	4850
Name	OJ990517_06.9C23.C24.o1.ts	Method	TBLASTX:Soybean
Start	3726	End	4842
GI	none	Score	65
Exons	3726..3779, 3855..3911, 4509..4625, 4528..4650, 4660..4728, 4749..4832, 4762..4842		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35844	Strand	
Start	7258	End	8915
Name	OJ990517_06.9C23.C24.o3.tw	Method	TBLASTX:Wheat
Start	7258	End	8915
GI	none	Score	212
Exons	7258..7281, 7394..7468, 8697..8915		

Seq. No.	17007	Seq. ID	OJ990517_06.9C23.C24
Gene No.	35844	Strand	
Start	7258	End	8915
Name	OJ990517_06.9C23.C24.o1.tm	Method	TBLASTX:Maize
Start	7346	End	7715
GI	none	Score	69
Exons	7346..7549, 7546..7626, 7644..7715		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35845	Strand	+
Start	690	End	1401
Name	OJ990517_06.9C23.C25.o1.gs	Method	GENSCAN
Start	690	End	1401
GI	none	Score	.89
Exons	690..738, 1175..1401		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35846	Strand	-
Start	2500	End	3718
Name	OJ990517_06.9C23.C25.o1.gp	Method	AAT/GAP
Start	2279	End	3030
GI	uC-osroM202038c10a1	Score	984
Exons	2279..2721, 2972..3030		
GI Descrip.	'2792155/emb|CAA11226| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35846	Strand	-
Start	2500	End	3718
Name	OJ990517_06.9C23.C25.o1.np	Method	AAT/NAP
Start	2500	End	3718
GI	6478216	Score	879
Exons	2500..2721, 2972..3718		
GI Descrip.	(AF108438) putative NADPH-dependent oxidoreductase [Papaver somniferum]		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35846	Strand	-
Start	2500	End	3718
Name	OJ990517_06.9C23.C25.o2.gs	Method	GENSCAN
Start	2500	End	3718
GI	none	Score	.9
Exons	2500..2721, 2972..3718		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35847	Strand	-
Start	4854	End	6216
Name	OJ990517_06.9C23.C25.o3.gp	Method	AAT/GAP
Start	4854	End	6216
GI	72092_1.R1084	Score	1079
Exons	4854..5271, 6054..6216		
GI Descrip.	'2792155/emb|CAA11226| 1.0e-30 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35848	Strand	-
Start	7774	End	9079
Name	OJ990517_06.9C23.C25.o2.np	Method	AAT/NAP
Start	7774	End	9079
GI	6815099	Score	91
Exons	7774..7912, 9046..9079		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o1.tm	Method	TBLASTX:Maize
Start	2506	End	6686
GI	none	Score	149
Exons	2506..2724, 2509..2724, 2510..2728, 2969..3031, 2969..3292, 2970..3314, 3296..3604, 3344..3577, 5025..5273, 5047..5283, 5053..5274, 5192..5281, 6051..6113, 6051..6374, 6052..6384, 6373..6660, 6378..6686		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o2.tc	Method	TBLASTX:Cress
Start	2506	End	5277
GI	none	Score	55
Exons	2506..2595, 2593..2727, 5047..5166, 5054..5116, 5143..5277, 5192..5275		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o1.ts	Method	TBLASTX:Soybean
Start	2506	End	6753
GI	none	Score	41
Exons	2506..2724, 2508..2543, 2575..2724, 2969..3292, 2970..3308, 3345..3467, 3353..3667, 3540..3671, 5029..5274, 5047..5283, 6051..6374, 6052..6372, 6426..6749, 6430..6753		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o1.tc	Method	TBLASTX:Cress
Start	3005	End	6752
GI	none	Score	164
Exons	3005..3265, 3006..3266, 3308..3355, 3404..3670, 3411..3470, 3540..3668, 6087..6347, 6088..6312, 6390..6437, 6486..6752, 6493..6750		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o6.gp	Method	AAT/GAP
Start	12181	End	12584
GI	2312652	Score	697
Exons	12181..12584		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 2.0e-40 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	17008	Seq. ID	OJ990517_06.9C23.C25
Gene No.	35849	Strand	-
Start	13456	End	13755
Name	OJ990517_06.9C23.C25.o5.gs	Method	GENSCAN
Start	13456	End	13755
GI	none	Score	.76
Exons	13456..13755		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35850	Strand	+
Start	22	End	3940
Name	OJ990517_06.9C23.C27.o1.np	Method	AAT/NAP
Start	22	End	3917
GI	3549626	Score	368
Exons	22..105, 2010..3034, 3786..3917		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35850	Strand	+
Start	22	End	3940
Name	OJ990517_06.9C23.C27.o1.gs	Method	GENSCAN
Start	977	End	3940
GI	none	Score	.57
Exons	977..1058, 1079..1234, 2119..3940		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35850	Strand	+
Start	22	End	3940
Name	OJ990517_06.9C23.C27.o2.np	Method	AAT/NAP
Start	1027	End	3917
GI	3355308	Score	341
Exons	1027..1146, 2163..3036, 3782..3917		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35850	Strand	+
Start	22	End	3940
Name	OJ990517_06.9C23.C27.o1.gp	Method	AAT/GAP
Start	2878	End	3337
GI	none	Score	874
Exons	2878..3337		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974
Name	OJ990517_06.9C23.C27.o1.tc	Method	TBLASTX:Cress
Start	2184	End	3779
GI	none	Score	53
Exons	2184..2243, 2250..2300, 2346..2513, 2496..2570, 2571..2831, 2606..2680, 2720..2815, 2868..3017, 3240..3317, 3344..3493, 3348..3494, 3518..3574, 3519..3683, 3723..3779		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974
Name	OJ990517_06.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	2235	End	3503
GI	none	Score	54
Exons	2235..2321, 2298..2513, 2571..2828, 2606..2827, 3333..3503, 3338..3493		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974
Name	OJ990517_06.9C23.C27.o1.tm	Method	TBLASTX:Maize
Start	2265	End	3704
GI	none	Score	46
Exons	2265..2297, 2266..2322, 2295..2330, 2337..2570, 2348..2590, 2452..2571, 2571..2738, 2603..2725, 3270..3317, 3333..3500, 3510..3704		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974

Name	OJ990517_06.9C23.C27.o2.tm	Method	TBLASTX:Maize
Start	2738	End	3014
GI	none	Score	150
Exons	2738..2857, 2739..2858, 2739..2858, 2740..2880, 2897..2998, 2897..3013, 2898..3014		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974
Name	OJ990517_06.9C23.C27.o3.tm	Method	TBLASTX:Maize
Start	3795	End	3974
GI	none	Score	216
Exons	3795..3974, 3795..3968, 3899..3973		

Seq. No.	17009	Seq. ID	OJ990517_06.9C23.C27
Gene No.	35851	Strand	-
Start	3813	End	3974
Name	OJ990517_06.9C23.C27.o2.gp	Method	AAT/GAP
Start	3813	End	3974
GI	none	Score	291
Exons	3813..3974		

Seq. No.	17010	Seq. ID	OJ990517_06.9C23.C28
Gene No.	35852	Strand	+
Start	155	End	1094
Name	OJ990517_06.9C23.C28.o1.gs	Method	GENSCAN
Start	155	End	1094
GI	none	Score	.79
Exons	155..222, 298..361, 912..1094		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35853	Strand	+
Start	537	End	984
Name	OJ990517_06.9C23.C29.o1.gs	Method	GENSCAN
Start	537	End	984
GI	none	Score	.93
Exons	537..984		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35854	Strand	+
Start	3291	End	9435
Name	OJ990517_06.9C23.C29.o1.np	Method	AAT/NAP
Start	3282	End	6623
GI	4406780	Score	2310
Exons	3282..3421, 4082..4122, 4397..4973, 5176..5313, 5404..5560, 5680..6164, 6407..6623		
GI Descrip.	(AC006532) putative endosomal protein [Arabidopsis thaliana]		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35854	Strand	+
Start	3291	End	9435
Name	OJ990517_06.9C23.C29.o2.gs	Method	GENSCAN
Start	3291	End	9435
GI	none	Score	.86
Exons	3291..3421, 4082..4122, 4397..4973, 5176..5313, 5404..5560, 5680..6164, 6407..6618, 7562..7700, 8130..9435		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35855	Strand	+
Start	10011	End	10430
Name	OJ990517_06.9C23.C29.o3.gs	Method	GENSCAN
Start	10011	End	10430
GI	none	Score	.66
Exons	10011..10136, 10146..10430		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35856	Strand	+
Start	10841	End	14488
Name	OJ990517_06.9C23.C29.o3.np	Method	AAT/NAP
Start	10841	End	14488
GI	6721512	Score	95
Exons	10841..10883, 12596..12699, 12726..12864, 12904..12936, 14453..14488		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35857	Strand	-
Start	8101	End	10345
Name	OJ990517_06.9C23.C29.o2.np	Method	AAT/NAP
Start	8101	End	10345
GI	4102839	Score	1148
Exons	8101..9411, 9983..10345		
GI Descrip.	(AF016713) LeOPT1 [Lycopersicon esculentum]		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o2.tm	Method	TBLASTX:Maize
Start	3339	End	4977
GI	none	Score	101
Exons	3339..3419, 4079..4120, 4080..4121, 4379..4591, 4396..4662, 4396..4614, 4648..4974, 4650..4976, 4855..4977		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o3.ts	Method	TBLASTX:Soybean
Start	3345	End	4683
GI	none	Score	119
Exons	3345..3419, 3356..3421, 4080..4124, 4393..4617, 4405..4662, 4648..4683, 4649..4669		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o2.tc	Method	TBLASTX:Cress
Start	4396	End	5850
GI	none	Score	278
Exons	4396..4617, 4396..4614, 4401..4616, 4644..4976, 4648..4974, 4761..4976, 4835..4981, 4837..4980, 5174..5314, 5175..5300, 5183..5302, 5215..5325, 5404..5562, 5405..5575, 5604..5660, 5676..5840, 5679..5849, 5680..5850		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29

Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o1.ts	Method	TBLASTX:Soybean
Start	4686	End	6626
GI	none	Score	415
Exons	4686..4976, 4687..4974, 4835..4981, 4837..4980, 5174..5314, 5215..5307, 5404..5562, 5404..5562, 5405..5575, 5604..5660, 5679..6164, 5680..6048, 5680..6216, 5735..6064, 6115..6165, 6141..6203, 6232..6279, 6401..6625, 6406..6624, 6420..6626, 6450..6626		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o1.tm	Method	TBLASTX:Maize
Start	5158	End	6521
GI	none	Score	230
Exons	5158..5325, 5159..5314, 5170..5325, 5171..5332, 5403..5561, 5404..5562, 5405..5575, 5676..6167, 5679..6164, 5680..6165, 6401..6520, 6420..6521		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o2.tw	Method	TBLASTX:Wheat
Start	5706	End	6021
GI	none	Score	68
Exons	5706..6014, 5724..6011, 5743..6021		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o3.tc	Method	TBLASTX:Cress
Start	6473	End	6626
GI	none	Score	255
Exons	6473..6625, 6474..6626, 6480..6626		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o1.tc	Method	TBLASTX:Cress
Start	8047	End	10225
GI	none	Score	80
Exons	8047..8244, 8087..8239, 8254..8448, 8330..8440, 8521..8826, 8612..8827, 8872..8913, 8923..9048, 8939..9040, 9055..9216, 9262..9288, 9989..10225		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o3.tm	Method	TBLASTX:Maize
Start	8104	End	9288
GI	none	Score	90
Exons	8104..8244, 8105..8242, 8254..8448, 8330..8449, 8521..8826, 8612..8827, 8872..8913, 8918..9040, 8920..9048, 9106..9165, 9160..9216, 9262..9288		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o2.ts	Method	TBLASTX:Soybean
Start	8107	End	10225
GI	none	Score	61
Exons	8107..8247, 8254..8448, 8330..8449, 8521..8826, 8630..8710, 8789..8827, 8872..8907, 8914..9030, 8951..9031, 9106..9216, 9989..10225		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o1.tw	Method	TBLASTX:Wheat
Start	8110	End	8445
GI	none	Score	53
Exons	8110..8244, 8143..8223, 8177..8242, 8254..8445, 8332..8400, 8339..8437		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o4.tm	Method	TBLASTX:Maize
Start	9980	End	10225
GI	none	Score	45
Exons	9980..10225, 10038..10082, 10140..10223		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o3.tw	Method	TBLASTX:Wheat
Start	10058	End	10225
GI	none	Score	92
Exons	10058..10225, 10094..10225		

Seq. No.	17011	Seq. ID	OJ990517_06.9C23.C29
Gene No.	35858	Strand	-
Start	11597	End	14571
Name	OJ990517_06.9C23.C29.o4.gs	Method	GENSCAN
Start	11597	End	14571
GI	none	Score	.46
Exons	11597..11700, 12573..12633, 12925..13060, 13083..13182, 13891..14006, 14179..14247, 14283..14376, 14472..14571		

Seq. No.	17012	Seq. ID	OJ990517_06.9C23.C30
Gene No.	35859	Strand	-
Start	1	End	3494
Name	OJ990517_06.9C23.C30.o1.np	Method	AAT/NAP
Start	1	End	3494
GI	5922620	Score	632
Exons	1..126, 1493..1580, 1617..1787, 1891..2107, 2979..3003, 3342..3494		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17012	Seq. ID	OJ990517_06.9C23.C30
Gene No.	35859	Strand	-
Start	1	End	3494
Name	OJ990517_06.9C23.C30.o2.gs	Method	GENSCAN
Start	1605	End	3322
GI	none	Score	.49
Exons	1605..1787, 1822..1914, 2503..2666, 2979..3003, 3108..3150, 3258..3322		

Seq. No.	17013	Seq. ID	OJ990517_06.9C23.C31
Gene No.	35860	Strand	+
Start	238	End	420
Name	OJ990517_06.9C23.C31.o1.gs	Method	GENSCAN
Start	238	End	420
GI	none	Score	.6
Exons	238..420		

Seq. No.	17014	Seq. ID	OJ990517_06.9C23.C35
Gene No.	35861	Strand	+
Start	27	End	183
Name	OJ990517_06.9C23.C35.o1.gs	Method	GENSCAN
Start	27	End	183
GI	none	Score	.96
Exons	27..31, 105..183		

Seq. No.	17014	Seq. ID	OJ990517_06.9C23.C35
Gene No.	35862	Strand	-
Start	99	End	181
Name	OJ990517_06.9C23.C35.o1.np	Method	AAT/NAP
Start	99	End	181
GI	6630699	Score	63
Exons	99..181		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35863	Strand	+
Start	1	End	186
Name	OJ990517_06.9C23.C37.o1.np	Method	AAT/NAP
Start	1	End	186
GI	6553884	Score	223
Exons	1..186		
GI Descrip.	(AC012563) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35863	Strand	+
Start	1	End	186
Name	OJ990517_06.9C23.C37.o1.gs	Method	GENSCAN
Start	61	End	185
GI	none	Score	.99
Exons	61..185		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35864	Strand	-
Start	128	End	504

Name	OJ990517_06.9C23.C37.o1.ts	Method	TBLASTX:Soybean
Start	9	End	189
GI	none	Score	119
Exons	9..182, 24..188, 25..189		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35864	Strand	-
Start	128	End	504
Name	OJ990517_06.9C23.C37.o1.tc	Method	TBLASTX:Cress
Start	25	End	212
GI	none	Score	36
Exons	25..54, 45..188, 46..189, 57..212		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35864	Strand	-
Start	128	End	504
Name	OJ990517_06.9C23.C37.o1.tm	Method	TBLASTX:Maize
Start	67	End	369
GI	none	Score	204
Exons	67..174, 69..194, 70..195, 216..263, 218..265, 219..266, 259..369		

Seq. No.	17015	Seq. ID	OJ990517_06.9C23.C37
Gene No.	35864	Strand	-
Start	128	End	504
Name	OJ990517_06.9C23.C37.o1.gp	Method	AAT/GAP
Start	128	End	504
GI	none	Score	664
Exons	128..504		

Seq. No.	17016	Seq. ID	OJ990517_06.9C23.C38
Gene No.	35865	Strand	-
Start	1	End	700
Name	OJ990517_06.9C23.C38.o1.np	Method	AAT/NAP
Start	1	End	645
GI	5902445	Score	755
Exons	1..645		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17016	Seq. ID	OJ990517_06.9C23.C38
Gene No.	35865	Strand	-
Start	1	End	700
Name	OJ990517_06.9C23.C38.o2.tw	Method	TBLASTX:Wheat
Start	21	End	243
GI	none	Score	59
Exons	21..62, 22..237, 67..243		

Seq. No.	17016	Seq. ID	OJ990517_06.9C23.C38
Gene No.	35865	Strand	-
Start	1	End	700
Name	OJ990517_06.9C23.C38.o1.tm	Method	TBLASTX:Maize
Start	214	End	570
GI	none	Score	227
Exons	214..570, 215..508, 265..516		

Seq. No.	17016	Seq. ID	OJ990517_06.9C23.C38
Gene No.	35865	Strand	-

Start	1	End	700
Name	OJ990517_06.9C23.C38.o1.tw	Method	TBLASTX:Wheat
Start	244	End	700
GI	none	Score	384
Exons	244..699, 245..700, 370..456		

Seq. No.	17016	Seq. ID	OJ990517_06.9C23.C38
Gene No.	35865	Strand	-
Start	1	End	700
Name	OJ990517_06.9C23.C38.o1.ts	Method	TBLASTX:Soybean
Start	295	End	660
GI	none	Score	95
Exons	295..429, 436..660		

Seq. No.	17017	Seq. ID	OJ990517_06.9C23.C39
Gene No.	35866	Strand	-
Start	335	End	391
Name	OJ990517_06.9C23.C39.o1.gs	Method	GENSCAN
Start	335	End	391
GI	none	Score	1
Exons	335..391		

Seq. No.	17018	Seq. ID	OJ990517_06.9C23.C41
Gene No.	35867	Strand	-
Start	284	End	539
Name	OJ990517_06.9C23.C41.o1.gs	Method	GENSCAN
Start	284	End	539
GI	none	Score	.72
Exons	284..348, 515..539		

Seq. No.	17019	Seq. ID	OJ990517_06.9C23.C46
Gene No.	35868	Strand	+
Start	1	End	697
Name	OJ990517_06.9C23.C46.o1.np	Method	AAT/NAP
Start	1	End	697
GI	5902445	Score	540
Exons	1..697		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17019	Seq. ID	OJ990517_06.9C23.C46
Gene No.	35868	Strand	+
Start	1	End	697
Name	OJ990517_06.9C23.C46.o1.ts	Method	TBLASTX:Soybean
Start	116	End	451
GI	none	Score	219
Exons	116..451		

Seq. No.	17019	Seq. ID	OJ990517_06.9C23.C46
Gene No.	35868	Strand	+
Start	1	End	697
Name	OJ990517_06.9C23.C46.o1.tw	Method	TBLASTX:Wheat
Start	116	End	472
GI	none	Score	314
Exons	116..472, 116..391, 118..462		

Seq. No.	17019	Seq. ID	OJ990517_06.9C23.C46
Gene No.	35868	Strand	+

Start	1	End	697
Name	OJ990517_06.9C23.C46.o1.tm	Method	TBLASTX:Maize
Start	118	End	543
GI	none	Score	246
Exons	118..372, 119..373, 119..373, 392..466, 394..462, 517..543		

Seq. No.	17019	Seq. ID	OJ990517_06.9C23.C46
Gene No.	35868	Strand	+
Start	1	End	697
Name	OJ990517_06.9C23.C46.o1.gs	Method	GENSCAN
Start	139	End	559
GI	none	Score	.55
Exons	139..559		

Seq. No.	17020	Seq. ID	OJ990517_06.9C23.C49
Gene No.	35869	Strand	+
Start	1	End	494
Name	OJ990517_06.9C23.C49.o1.np	Method	AAT/NAP
Start	1	End	494
GI	5080826	Score	156
Exons	1..246, 475..494		
GI Descrip.	(AC007258) Putative Aldo/keto reductase [Arabidopsis thaliana]		

Seq. No.	17020	Seq. ID	OJ990517_06.9C23.C49
Gene No.	35869	Strand	+
Start	1	End	494
Name	OJ990517_06.9C23.C49.o1.ts	Method	TBLASTX:Soybean
Start	65	End	223
GI	none	Score	208
Exons	65..223, 76..222		

Seq. No.	17020	Seq. ID	OJ990517_06.9C23.C49
Gene No.	35869	Strand	+
Start	1	End	494
Name	OJ990517_06.9C23.C49.o1.tm	Method	TBLASTX:Maize
Start	76	End	223
GI	none	Score	196
Exons	76..216, 77..223		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	1499
GI	6705984	Score	1596
Exons	1..544, 627..1499		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	42	End	548
GI	none	Score	371
Exons	42..548, 80..391		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2

Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	45	End	392
GI	none	Score	267
Exons	45..392, 47..307		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	75	End	301
GI	none	Score	257
Exons	75..299, 77..301		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.gs	Method	GENSCAN
Start	103	End	1124
GI	none	Score	.75
Exons	103..198, 223..429, 596..1124		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	303	End	639
GI	none	Score	311
Exons	303..554, 353..391, 354..545, 440..559, 586..639		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	479	End	987
GI	none	Score	146
Exons	479..586, 480..587, 484..603, 564..986, 585..746, 586..987		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	735	End	978
GI	none	Score	162
Exons	735..845, 736..903, 928..978, 936..977		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	928	End	1298
GI	none	Score	252
Exons	928..1137, 936..1136, 1143..1298, 1143..1295, 1157..1297		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+

Start	1	End	1499
Name	OJ990517_09.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	1020	End	1306
GI	none	Score	145
Exons	1020..1142, 1021..1146, 1027..1143, 1139..1306, 1143..1304, 1247..1306		

Seq. No.	17021	Seq. ID	OJ990517_09.9C23.C2
Gene No.	35870	Strand	+
Start	1	End	1499
Name	OJ990517_09.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	1117	End	1431
GI	none	Score	36
Exons	1117..1146, 1143..1304, 1145..1306, 1193..1306, 1360..1431, 1362..1430, 1375..1431		

Seq. No.	17022	Seq. ID	OJ990517_09.9C23.C3
Gene No.	35871	Strand	+
Start	60	End	208
Name	OJ990517_09.9C23.C3.o1.gs	Method	GENSCAN
Start	60	End	208
GI	none	Score	.74
Exons	60..114, 133..208		

Seq. No.	17023	Seq. ID	OJ990517_09.9C23.C5
Gene No.	35872	Strand	-
Start	928	End	1041
Name	OJ990517_09.9C23.C5.o1.gs	Method	GENSCAN
Start	928	End	1041
GI	none	Score	.4
Exons	928..1041		

Seq. No.	17024	Seq. ID	OJ990517_09.9C23.C6
Gene No.	35873	Strand	-
Start	275	End	322
Name	OJ990517_09.9C23.C6.o1.gs	Method	GENSCAN
Start	275	End	322
GI	none	Score	.48
Exons	275..322		

Seq. No.	17025	Seq. ID	OJ990517_09.9C23.C7
Gene No.	35874	Strand	+
Start	1	End	690
Name	OJ990517_09.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	690
GI	2130080	Score	295
Exons	1..41, 164..298, 545..690		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	17025	Seq. ID	OJ990517_09.9C23.C7
Gene No.	35874	Strand	+
Start	1	End	690
Name	OJ990517_09.9C23.C7.o1.gp	Method	AAT/GAP

Start	154	End	640
GI	1052_1.R1084	Score	403
Exons	154..298, 545..640		
GI Descrip.	'2130080/pir||S62667 0.0e+00 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	17025	Seq. ID	OJ990517_09.9C23.C7
Gene No.	35874	Strand	+
Start	1	End	690
Name	OJ990517_09.9C23.C7.o1.gs	Method	GENSCAN
Start	167	End	640
GI	none	Score	.46
Exons	167..298, 593..640		

Seq. No.	17026	Seq. ID	OJ990517_09.9C23.C8
Gene No.	35875	Strand	-
Start	2900	End	3347
Name	OJ990517_09.9C23.C8.o2.gs	Method	GENSCAN
Start	2900	End	3347
GI	none	Score	.41
Exons	2900..3347		

Seq. No.	17027	Seq. ID	OJ990517_09.9C23.C10
Gene No.	35876	Strand	+
Start	1	End	523
Name	OJ990517_09.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	523
GI	6630685	Score	769
Exons	1..523		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	17027	Seq. ID	OJ990517_09.9C23.C10
Gene No.	35876	Strand	+
Start	1	End	523
Name	OJ990517_09.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	5	End	520
GI	none	Score	209
Exons	5..130, 6..140, 9..146, 134..520, 136..459, 321..509		

Seq. No.	17027	Seq. ID	OJ990517_09.9C23.C10
Gene No.	35876	Strand	+
Start	1	End	523
Name	OJ990517_09.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	9	End	508
GI	none	Score	110
Exons	9..131, 136..255, 137..265, 275..508		

Seq. No.	17027	Seq. ID	OJ990517_09.9C23.C10
Gene No.	35876	Strand	+
Start	1	End	523
Name	OJ990517_09.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	48	End	505
GI	none	Score	67

Exons	48..134, 134..274, 286..453, 293..505		
Seq. No.	17027	Seq. ID	OJ990517_09.9C23.C10
Gene No.	35876	Strand	+
Start	1	End	523
Name	OJ990517_09.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	103	End	460
GI	none	Score	98
Exons	103..261, 140..262, 284..460, 343..459		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o1.np	Method	AAT/NAP
Start	1	End	2944
GI	6630685	Score	3600
Exons	1..1093, 1235..2944		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o6.tm	Method	TBLASTX:Maize
Start	17	End	274
GI	none	Score	119
Exons	17..193, 18..110, 107..274, 112..273		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o2.tw	Method	TBLASTX:Wheat
Start	39	End	610
GI	none	Score	86
Exons	39..128, 51..128, 119..286, 124..267, 298..324, 299..325, 326..610, 424..609		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	274	End	967
GI	none	Score	98
Exons	274..348, 275..346, 280..924, 347..919, 429..962, 434..967		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o3.ts	Method	TBLASTX:Soybean
Start	455	End	916
GI	none	Score	228
Exons	455..766, 481..660, 691..759, 815..916		
Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o4.tm	Method	TBLASTX:Maize

Start	1247	End	1576
GI	none	Score	421
Exons	1247..1576, 1283..1573, 1285..1575		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	1309	End	1917
GI	5509260	Score	223
Exons	1309..1530, 1310..1528, 1310..1540, 1526..1915, 1534..1917, 1535..1915		
GI Descrip.	-		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	1445	End	1903
GI	none	Score	94
Exons	1445..1528, 1556..1903, 1558..1890		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	1517	End	1798
GI	none	Score	215
Exons	1517..1798, 1522..1671		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o3.tm	Method	TBLASTX:Maize
Start	1577	End	2044
GI	none	Score	660
Exons	1577..2044, 1579..2043		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o5.tm	Method	TBLASTX:Maize
Start	2066	End	2269
GI	none	Score	251
Exons	2066..2269, 2086..2268		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	2270	End	2941
GI	none	Score	994
Exons	2270..2941, 2277..2726, 2278..2880, 2742..2930		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944

Name	OJ990517_09.9C23.C11.o2.ts	Method	TBLASTX:Soybean
Start	2288	End	2929
GI	none	Score	291
Exons	2288..2686, 2497..2676, 2696..2929		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o3.tw	Method	TBLASTX:Wheat
Start	2426	End	2881
GI	none	Score	118
Exons	2426..2683, 2581..2682, 2705..2881, 2764..2880		

Seq. No.	17028	Seq. ID	OJ990517_09.9C23.C11
Gene No.	35877	Strand	+
Start	1	End	2944
Name	OJ990517_09.9C23.C11.o2.tc	Method	TBLASTX:Cress
Start	2468	End	2926
GI	none	Score	71
Exons	2468..2557, 2561..2695, 2707..2874, 2714..2926		

Seq. No.	17029	Seq. ID	OJ990517_09.9C23.C12
Gene No.	35878	Strand	-
Start	3	End	563
Name	OJ990517_09.9C23.C12.o1.gs	Method	GENSCAN
Start	3	End	563
GI	none	Score	.86
Exons	3..139, 518..563		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592
Name	OJ990517_09.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	592
GI	3702341	Score	354
Exons	1..592		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592
Name	OJ990517_09.9C23.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	472
GI	none	Score	137
Exons	1..168, 193..270, 244..471, 278..472		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592
Name	OJ990517_09.9C23.C14.o1.tc	Method	TBLASTX:Cress
Start	1	End	528
GI	none	Score	105
Exons	1..480, 301..516, 304..516, 305..499, 361..528		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592

Name	OJ990517_09.9C23.C14.o1.ts	Method	TBLASTX:Soybean
Start	46	End	516
GI	none	Score	64
Exons	46..444, 304..411, 370..516		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592
Name	OJ990517_09.9C23.C14.o1.tw	Method	TBLASTX:Wheat
Start	61	End	516
GI	none	Score	65
Exons	61..447, 277..447, 364..516, 365..481		

Seq. No.	17030	Seq. ID	OJ990517_09.9C23.C14
Gene No.	35879	Strand	-
Start	1	End	592
Name	OJ990517_09.9C23.C14.o1.gs	Method	GENSCAN
Start	141	End	549
GI	none	Score	.54
Exons	141..549		

Seq. No.	17031	Seq. ID	OJ990517_09.9C23.C15
Gene No.	35880	Strand	+
Start	165	End	195
Name	OJ990517_09.9C23.C15.o1.gs	Method	GENSCAN
Start	165	End	195
GI	none	Score	.68
Exons	165..195		

Seq. No.	17032	Seq. ID	OJ990517_09.9C23.C16
Gene No.	35881	Strand	-
Start	123	End	5246
Name	OJ990517_09.9C23.C16.o1.gp	Method	AAT/GAP
Start	123	End	2468
GI	uC-osflm202002c04b1	Score	620
Exons	123..168, 1220..1445, 2397..2468		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	17032	Seq. ID	OJ990517_09.9C23.C16
Gene No.	35881	Strand	-
Start	123	End	5246
Name	OJ990517_09.9C23.C16.o1.gs	Method	GENSCAN
Start	1220	End	4809
GI	none	Score	.59
Exons	1220..1445, 2397..2463, 2976..3039, 4390..4488, 4562..4645, 4728..4809		

Seq. No.	17032	Seq. ID	OJ990517_09.9C23.C16
Gene No.	35881	Strand	-
Start	123	End	5246
Name	OJ990517_09.9C23.C16.o2.gp	Method	AAT/GAP
Start	4703	End	5246
GI	2312133	Score	747
Exons	4703..4808, 4898..5246		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17

Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o1.np	Method	AAT/NAP
Start	1	End	2125
GI	5002521	Score	138
Exons	1..80, 474..512, 1390..1474, 1554..1657, 1734..1849, 1927..2125		
GI Descrip.	(AL078606) putative protein [Arabidopsis thaliana]		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o2.np	Method	AAT/NAP
Start	1	End	6675
GI	5734779	Score	806
Exons	1..117, 2736..2853, 4105..4189, 4540..4681, 4818..4970, 5228..5374, 5541..5681, 6323..6675		
GI Descrip.	(AC007980) 78688 [Arabidopsis thaliana]		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o1.gp	Method	AAT/GAP
Start	148	End	511
GI	2312133	Score	643
Exons	148..511		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o1.gs	Method	GENSCAN
Start	372	End	6646
GI	none	Score	.94
Exons	372..509, 1390..1474, 1554..1657, 1734..1849, 1927..2113, 2745..2853, 4105..4189, 4552..4687, 4818..4970, 5228..5449, 5541..5681, 6323..6646		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	4065	End	4681
GI	none	Score	86
Exons	4065..4175, 4107..4181, 4295..4363, 4544..4681, 4548..4673, 4550..4681		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-
Start	1	End	6675
Name	OJ990517_09.9C23.C17.o2.gp	Method	AAT/GAP
Start	4623	End	5681
GI	uC-osflm202109f12b1	Score	838
Exons	4623..4687, 4818..4970, 5228..5374, 5541..5681		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	17033	Seq. ID	OJ990517_09.9C23.C17
Gene No.	35882	Strand	-

Start	1	End	6675
Name	OJ990517_09.9C23.C17.o1.ts	Method	TBLASTX:Soybean
Start	4848	End	5688
GI	none	Score	65
Exons	4848..4967, 4852..4944, 5217..5372, 5228..5371, 5539..5688, 5553..5681		

Seq. No.	17034	Seq. ID	OJ990517_09.9C23.C18
Gene No.	35883	Strand	-
Start	2947	End	7395
Name	OJ990517_09.9C23.C18.o2.np	Method	AAT/NAP
Start	2947	End	7395
GI	6907089	Score	911
Exons	2947..2992, 5818..6976, 7303..7395		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17034	Seq. ID	OJ990517_09.9C23.C18
Gene No.	35883	Strand	-
Start	2947	End	7395
Name	OJ990517_09.9C23.C18.o2.gs	Method	GENSCAN
Start	5232	End	6948
GI	none	Score	.42
Exons	5232..5361, 5813..5967, 6371..6652, 6740..6829, 6874..6948		

Seq. No.	17035	Seq. ID	OJ990517_09.9C23.C19
Gene No.	35884	Strand	-
Start	1250	End	1801
Name	OJ990517_09.9C23.C19.o1.gs	Method	GENSCAN
Start	1250	End	1801
GI	none	Score	.74
Exons	1250..1334, 1557..1801		

Seq. No.	17036	Seq. ID	OJ990517_09.9C23.C20
Gene No.	35885	Strand	+
Start	1520	End	4635
Name	OJ990517_09.9C23.C20.o2.gs	Method	GENSCAN
Start	1520	End	4635
GI	none	Score	.71
Exons	1520..1632, 1694..1743, 2234..2362, 2455..2525, 4528..4635		

Seq. No.	17036	Seq. ID	OJ990517_09.9C23.C20
Gene No.	35886	Strand	+
Start	5979	End	7186
Name	OJ990517_09.9C23.C20.o3.gs	Method	GENSCAN
Start	5979	End	7186
GI	none	Score	.49
Exons	5979..6093, 6722..6976, 7113..7186		

Seq. No.	17036	Seq. ID	OJ990517_09.9C23.C20
Gene No.	35887	Strand	-
Start	216	End	609
Name	OJ990517_09.9C23.C20.o1.gs	Method	GENSCAN
Start	216	End	609
GI	none	Score	.49
Exons	216..400, 537..609		

Seq. No.	17036	Seq. ID	OJ990517_09.9C23.C20

Gene No.	35888	Strand	-
Start	2768	End	2912
Name	OJ990517_09.9C23.C20.o1.gp	Method	AAT/GAP
Start	2768	End	2912
GI	LIB3431-027-P1-K1-D5	Score	228
Exons	2768..2912		
GI Descrip.	'2190552 1.0e-21 (AC001229) Similar to Holcus major pollen allergen (gb_Z27084). [Arabidopsis thaliana]'		

Seq. No.	17036	Seq. ID	OJ990517_09.9C23.C20
Gene No.	35889	Strand	-
Start	6781	End	6876
Name	OJ990517_09.9C23.C20.o1.np	Method	AAT/NAP
Start	6781	End	6876
GI	6907089	Score	86
Exons	6781..6876		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17037	Seq. ID	OJ990517_09.9C23.C21
Gene No.	35890	Strand	+
Start	5203	End	6495
Name	OJ990517_09.9C23.C21.o1.gp	Method	AAT/GAP
Start	5203	End	6495
GI	1052_1.R1084	Score	365
Exons	5203..5367, 6412..6495		
GI Descrip.	'2130080/pir||S62667 0.0e+00 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	17037	Seq. ID	OJ990517_09.9C23.C21
Gene No.	35890	Strand	+
Start	5203	End	6495
Name	OJ990517_09.9C23.C21.o1.np	Method	AAT/NAP
Start	5284	End	6495
GI	2130080	Score	167
Exons	5284..5367, 6412..6495		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	17037	Seq. ID	OJ990517_09.9C23.C21
Gene No.	35891	Strand	-
Start	3752	End	6065
Name	OJ990517_09.9C23.C21.o2.gs	Method	GENSCAN
Start	3752	End	6065
GI	none	Score	.56
Exons	3752..3849, 5151..5414, 6009..6065		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o1.np	Method	AAT/NAP
Start	24	End	3280

GI	2130080	Score	2102
Exons	24..183, 253..293, 425..503, 585..689, 930..1039, 1221..1402, 1620..1689, 1777..1950, 2084..2188, 2395..2526, 2773..2868, 2984..3280		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o1.gp	Method	AAT/GAP
Start	97	End	3750
GI	1052_1.R1084	Score	3361
Exons	97..183, 253..293, 425..503, 585..689, 930..1039, 1221..1402, 1620..1689, 1777..1950, 2084..2188, 2395..2526, 2773..2868, 2984..3581, 3696..3750		
GI Descrip.	'2130080/pir||S62667 0.0e+00 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o1.ts	Method	TBLASTX:Soybean
Start	424	End	1006
GI	none	Score	119
Exons	424..507, 425..505, 569..688, 580..645, 925..1005, 929..1006		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o1.gs	Method	GENSCAN
Start	425	End	3283
GI	none	Score	.72
Exons	425..503, 585..689, 975..1039, 1221..1402, 1788..1950, 2084..2188, 2395..2526, 2821..2868, 2984..3283		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	937	End	1409
GI	none	Score	159
Exons	937..1041, 938..1042, 938..1042, 1221..1409, 1262..1408		

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o2.tm	Method	TBLASTX:Maize
Start	1620	End	2874
GI	none	Score	86
Exons	1620..1691, 1621..1689, 1771..1911, 1776..1919, 1959..1988,		

2068..2187, 2072..2188, 2389..2454, 2391..2480, 2484..2525, 2755..2874

Seq. No.	17038	Seq. ID	OJ990517_09.9C23.C22
Gene No.	35892	Strand	+
Start	24	End	3750
Name	OJ990517_09.9C23.C22.o2.ts	Method	TBLASTX:Soybean
Start	1801	End	3175
GI	none	Score	123
Exons	1801..1911, 2072..2188, 2083..2187, 2389..2529, 2391..2525, 2755..2874, 2984..3175		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35893	Strand	+
Start	1556	End	6190
Name	OJ990517_09.9C23.C23.o1.np	Method	AAT/NAP
Start	1556	End	5987
GI	3377822	Score	699
Exons	1556..1609, 2549..2968, 3528..3591, 5520..5987		
GI Descrip.	(AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35893	Strand	+
Start	1556	End	6190
Name	OJ990517_09.9C23.C23.o2.gs	Method	GENSCAN
Start	5562	End	6190
GI	none	Score	.55
Exons	5562..5992, 6064..6190		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35894	Strand	-
Start	262	End	2960
Name	OJ990517_09.9C23.C23.o1.gs	Method	GENSCAN
Start	262	End	2960
GI	none	Score	.51
Exons	262..667, 2560..2762, 2899..2960		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35895	Strand	-
Start	5520	End	6159
Name	OJ990517_09.9C23.C23.o1.gp	Method	AAT/GAP
Start	5520	End	6159
GI	18452_1.R1084	Score	1215
Exons	5520..6159		
GI Descrip.	'3377822 5.0e-56 (AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]'		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o1.tm	Method	TBLASTX:Maize
Start	2701	End	6014
GI	none	Score	107
Exons	2701..2814, 5520..6014, 5520..6011		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o1.ts	Method	TBLASTX:Soybean
Start	5670	End	5957
GI	none	Score	271
Exons	5670..5957, 5672..5851, 5700..5954		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o3.gs	Method	GENSCAN
Start	7505	End	12727
GI	none	Score	.55
Exons	7505..8403, 8480..8552, 10017..10664, 11209..11341, 11715..11790, 12073..12420, 12586..12727		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o2.np	Method	AAT/NAP
Start	12326	End	13041
GI	6705984	Score	765
Exons	12326..13041		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o2.tm	Method	TBLASTX:Maize
Start	12468	End	12740
GI	none	Score	169
Exons	12468..12740, 12470..12739		

Seq. No.	17039	Seq. ID	OJ990517_09.9C23.C23
Gene No.	35896	Strand	-
Start	7505	End	13041
Name	OJ990517_09.9C23.C23.o1.tw	Method	TBLASTX:Wheat
Start	12509	End	12907
GI	none	Score	311
Exons	12509..12907, 12510..12905		

Seq. No.	17040	Seq. ID	OJ990517_09.9C23.C24
Gene No.	35897	Strand	+
Start	138	End	204
Name	OJ990517_09.9C23.C24.o1.gs	Method	GENSCAN
Start	138	End	204
GI	none	Score	.71
Exons	138..204		

Seq. No.	17041	Seq. ID	OJ990517_09.9C23.C25
Gene No.	35898	Strand	-
Start	7	End	367
Name	OJ990517_09.9C23.C25.o1.gs	Method	GENSCAN
Start	7	End	367
GI	none	Score	.93
Exons	7..367		

Seq. No.	17042	Seq. ID	OJ990517_09.9C23.C29
Gene No.	35899	Strand	+
Start	89	End	218
Name	OJ990517_09.9C23.C29.o1.gs	Method	GENSCAN
Start	89	End	218
GI	none	Score	.47
Exons	89..218		

Seq. No.	17043	Seq. ID	OJ990517_09.9C23.C33
Gene No.	35900	Strand	+
Start	22	End	219
Name	OJ990517_09.9C23.C33.o1.gs	Method	GENSCAN
Start	22	End	219
GI	none	Score	.71
Exons	22..219		

Seq. No.	17043	Seq. ID	OJ990517_09.9C23.C33
Gene No.	35901	Strand	-
Start	1	End	1055
Name	OJ990517_09.9C23.C33.o1.np	Method	AAT/NAP
Start	1	End	1055
GI	5042454	Score	506
Exons	1..193, 850..1055		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17043	Seq. ID	OJ990517_09.9C23.C33
Gene No.	35901	Strand	-
Start	1	End	1055
Name	OJ990517_09.9C23.C33.o1.gp	Method	AAT/GAP
Start	227	End	688
GI	2428323	Score	854
Exons	227..688		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	17043	Seq. ID	OJ990517_09.9C23.C33
Gene No.	35901	Strand	-
Start	1	End	1055
Name	OJ990517_09.9C23.C33.o1.tm	Method	TBLASTX:Maize
Start	811	End	992
GI	none	Score	118
Exons	811..987, 825..992		

Seq. No.	17043	Seq. ID	OJ990517_09.9C23.C33
Gene No.	35901	Strand	-
Start	1	End	1055
Name	OJ990517_09.9C23.C33.o2.gs	Method	GENSCAN
Start	849	End	1004
GI	none	Score	.73
Exons	849..1004		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35902	Strand	+
Start	6418	End	8491
Name	OJ990517_09.9C23.C34.o2.np	Method	AAT/NAP
Start	6418	End	8491

GI	5922623	Score	176
Exons	6418..6502, 6882..7037, 7186..7259, 8288..8491		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o5.tm	Method	TBLASTX:Maize
Start	149	End	316
GI	none	Score	117
Exons	149..316, 177..311		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o1.gs	Method	GENSCAN
Start	173	End	3837
GI	none	Score	.7
Exons	173..3098, 3209..3837		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o1.np	Method	AAT/NAP
Start	176	End	5835
GI	6498441	Score	6841
Exons	176..457, 551..1948, 2120..2500, 2693..3035, 3209..3343, 3527..3900, 3964..4427, 4771..5835		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o6.tw	Method	TBLASTX:Wheat
Start	185	End	787
GI	none	Score	81
Exons	185..310, 189..311, 491..787, 504..647, 684..782, 712..783		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o4.tw	Method	TBLASTX:Wheat
Start	788	End	5429
GI	none	Score	163
Exons	788..1168, 819..1067, 827..1072, 1113..1169, 5349..5429		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o2.tm	Method	TBLASTX:Maize
Start	983	End	1306
GI	none	Score	198
Exons	983..1306, 996..1277		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o8.tw	Method	TBLASTX:Wheat
Start	1499	End	1811
GI	none	Score	67
Exons	1499..1759, 1635..1811		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o2.ts	Method	TBLASTX:Soybean
Start	1559	End	2125
GI	5666795	Score	68
Exons	1559..1759, 1814..1951, 2027..2125		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o5.tw	Method	TBLASTX:Wheat
Start	1814	End	2248
GI	none	Score	63
Exons	1814..1963, 1815..1952, 1817..1954, 1997..2248, 2007..2228, 2051..2248		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o1.ts	Method	TBLASTX:Soybean
Start	2873	End	3243
GI	none	Score	83
Exons	2873..3103, 3100..3243, 3101..3226		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o2.tw	Method	TBLASTX:Wheat
Start	2903	End	4556
GI	none	Score	119
Exons	2903..3109, 2910..3083, 3091..3321, 3100..3219, 3101..3322, 4521..4556		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o3.tm	Method	TBLASTX:Maize
Start	2996	End	3379
GI	none	Score	195
Exons	2996..3106, 3100..3378, 3101..3379		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o1.tm	Method	TBLASTX:Maize
Start	3406	End	3762

GI	none	Score	110
Exons	3406..3711, 3406..3762, 3416..3727		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o1.tw	Method	TBLASTX:Wheat
Start	3430	End	3893
GI	none	Score	227
Exons	3430..3891, 3436..3891, 3437..3892, 3450..3893		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o3.ts	Method	TBLASTX:Soybean
Start	3487	End	3852
GI	none	Score	109
Exons	3487..3621, 3628..3852		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o2.gs	Method	GENSCAN
Start	3901	End	8893
GI	none	Score	.47
Exons	3901..4497, 4538..6090, 6169..6358, 6415..6621, 8370..8456, 8548..8695, 8823..8893		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o3.tw	Method	TBLASTX:Wheat
Start	4057	End	4504
GI	none	Score	73
Exons	4057..4503, 4084..4278, 4088..4348, 4370..4504		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o4.tm	Method	TBLASTX:Maize
Start	5396	End	5644
GI	none	Score	105
Exons	5396..5644, 5397..5642		

Seq. No.	17044	Seq. ID	OJ990517_09.9C23.C34
Gene No.	35903	Strand	-
Start	173	End	8893
Name	OJ990517_09.9C23.C34.o7.tw	Method	TBLASTX:Wheat
Start	5430	End	5686
GI	none	Score	77
Exons	5430..5567, 5432..5551, 5534..5632, 5535..5627, 5639..5686		

Seq. No.	17045	Seq. ID	OJ990517_09.9C23.C37
Gene No.	35904	Strand	+
Start	72	End	221
Name	OJ990517_09.9C23.C37.o1.gs	Method	GENSCAN
Start	72	End	221

GI	none	Score	.93
Exons	72..221		

Seq. No.	17046	Seq. ID	OJ990517_09.9C23.C39
Gene No.	35905	Strand	+
Start	245	End	704
Name	OJ990517_09.9C23.C39.o1.gp	Method	AAT/GAP
Start	245	End	704
GI	18452_1.R1084	Score	872
Exons	245..704		
GI Descrip.	'3377822 5.0e-56 (AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]'		

Seq. No.	17046	Seq. ID	OJ990517_09.9C23.C39
Gene No.	35906	Strand	-
Start	411	End	704
Name	OJ990517_09.9C23.C39.o1.tm	Method	TBLASTX:Maize
Start	389	End	704
GI	none	Score	193
Exons	389..661, 392..658, 394..660, 663..704, 664..702		

Seq. No.	17046	Seq. ID	OJ990517_09.9C23.C39
Gene No.	35906	Strand	-
Start	411	End	704
Name	OJ990517_09.9C23.C39.o1.gs	Method	GENSCAN
Start	411	End	648
GI	none	Score	.65
Exons	411..648		

Seq. No.	17046	Seq. ID	OJ990517_09.9C23.C39
Gene No.	35906	Strand	-
Start	411	End	704
Name	OJ990517_09.9C23.C39.o1.np	Method	AAT/NAP
Start	416	End	704
GI	3377822	Score	296
Exons	416..704		
GI Descrip.	(AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]		

Seq. No.	17046	Seq. ID	OJ990517_09.9C23.C39
Gene No.	35906	Strand	-
Start	411	End	704
Name	OJ990517_09.9C23.C39.o1.ts	Method	TBLASTX:Soybean
Start	446	End	704
GI	none	Score	113
Exons	446..661, 447..668, 449..655, 663..704		

Seq. No.	17047	Seq. ID	OJ990517_09.9C23.C40
Gene No.	35907	Strand	-
Start	30	End	257
Name	OJ990517_09.9C23.C40.o1.gs	Method	GENSCAN
Start	30	End	257
GI	none	Score	.78
Exons	30..257		

Seq. No.	17048	Seq. ID	OJ990517_09.9C23.C43

Gene No.	35908	Strand	-
Start	1	End	573
Name	OJ990517_09.9C23.C43.o1.np	Method	AAT/NAP
Start	1	End	573
GI	6498441	Score	553
Exons	1..52, 174..573		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17048	Seq. ID	OJ990517_09.9C23.C43
Gene No.	35908	Strand	-
Start	1	End	573
Name	OJ990517_09.9C23.C43.o1.tm	Method	TBLASTX:Maize
Start	53	End	409
GI	none	Score	110
Exons	53..358, 53..409, 63..374		

Seq. No.	17048	Seq. ID	OJ990517_09.9C23.C43
Gene No.	35908	Strand	-
Start	1	End	573
Name	OJ990517_09.9C23.C43.o1.tw	Method	TBLASTX:Wheat
Start	77	End	512
GI	none	Score	208
Exons	77..511, 83..499, 84..512		

Seq. No.	17048	Seq. ID	OJ990517_09.9C23.C43
Gene No.	35908	Strand	-
Start	1	End	573
Name	OJ990517_09.9C23.C43.o1.gs	Method	GENSCAN
Start	114	End	484
GI	none	Score	.79
Exons	114..150, 174..484		

Seq. No.	17048	Seq. ID	OJ990517_09.9C23.C43
Gene No.	35908	Strand	-
Start	1	End	573
Name	OJ990517_09.9C23.C43.o1.ts	Method	TBLASTX:Soybean
Start	134	End	499
GI	none	Score	109
Exons	134..265, 275..499		

Seq. No.	17049	Seq. ID	OJ990517_09.9C23.C44
Gene No.	35909	Strand	+
Start	1	End	175
Name	OJ990517_09.9C23.C44.o1.gp	Method	AAT/GAP
Start	1	End	175
GI	uC-osflm202002c04b1	Score	323
Exons	1..175		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	17049	Seq. ID	OJ990517_09.9C23.C44
Gene No.	35910	Strand	-
Start	86	End	170
Name	OJ990517_09.9C23.C44.o1.gs	Method	GENSCAN
Start	86	End	170

GI	none	Score	.47
Exons	86..170		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35911	Strand	+
Start	8399	End	9483
Name	OJ990517_09.9C23.C46.o3.gs	Method	GENSCAN
Start	8399	End	9483
GI	none	Score	.53
Exons	8399..8964, 9252..9483		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35912	Strand	-
Start	22	End	4371
Name	OJ990517_09.9C23.C46.o1.gs	Method	GENSCAN
Start	22	End	4371
GI	none	Score	.87
Exons	22..281, 573..664, 2229..2251, 3024..3061, 3826..3992, 4298..4371		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o2.gs	Method	GENSCAN
Start	5419	End	7094
GI	none	Score	.68
Exons	5419..5577, 6231..7094		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o1.gp	Method	AAT/GAP
Start	5965	End	6432
GI	16960_1.R1084	Score	866
Exons	5965..6432		
GI Descrip.	'4558673/gb|AAD22691.1|AC007063_17 1.0e-25 (AC007063) hypothetical protein [Arabidopsis thaliana] >gi_4726112_gb_AAD28312.1_AC006436_3 (AC006436) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o1.tm	Method	TBLASTX:Maize
Start	6166	End	7121
GI	none	Score	110
Exons	6166..6270, 6174..6272, 6174..7109, 6188..6406, 6193..6696, 6724..7110, 6748..7110, 6752..7114, 6762..7121		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o1.np	Method	AAT/NAP
Start	6179	End	9157
GI	4726112	Score	906
Exons	6179..7109, 8226..8756, 8811..8925, 9104..9157		
GI Descrip.	(AC006436) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o1.ts	Method	TBLASTX:Soybean
Start	6298	End	6540
GI	none	Score	174
Exons	6298..6540, 6300..6539		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o1.tw	Method	TBLASTX:Wheat
Start	6327	End	6680
GI	none	Score	212
Exons	6327..6680		

Seq. No.	17050	Seq. ID	OJ990517_09.9C23.C46
Gene No.	35913	Strand	-
Start	5419	End	9157
Name	OJ990517_09.9C23.C46.o2.gp	Method	AAT/GAP
Start	8771	End	9113
GI	2309958	Score	587
Exons	8771..9113		

Seq. No.	17051	Seq. ID	OJ990517_09.9C23.C47
Gene No.	35914	Strand	-
Start	123	End	5570
Name	OJ990517_09.9C23.C47.o1.gs	Method	GENSCAN
Start	123	End	5570
GI	none	Score	.45
Exons	123..185, 1705..1890, 4418..4528, 4675..4851, 5505..5570		

Seq. No.	17052	Seq. ID	OJ990517_09.9C23.C48
Gene No.	35915	Strand	+
Start	256	End	1196
Name	OJ990517_09.9C23.C48.o1.gs	Method	GENSCAN
Start	256	End	1196
GI	none	Score	.62
Exons	256..389, 1091..1196		

Seq. No.	17052	Seq. ID	OJ990517_09.9C23.C48
Gene No.	35916	Strand	-
Start	1938	End	2132
Name	OJ990517_09.9C23.C48.o2.gs	Method	GENSCAN
Start	1938	End	2132
GI	none	Score	.77
Exons	1938..2132		

Seq. No.	17053	Seq. ID	OJ990517_09.9C23.C49
Gene No.	35917	Strand	+
Start	111	End	248
Name	OJ990517_09.9C23.C49.o1.gs	Method	GENSCAN
Start	111	End	248
GI	none	Score	.98
Exons	111..248		

Seq. No.	17053	Seq. ID	OJ990517_09.9C23.C49
Gene No.	35918	Strand	-
Start	1002	End	1865
Name	OJ990517_09.9C23.C49.o1.tm	Method	TBLASTX:Maize
Start	75	End	671
GI	none	Score	38
Exons	75..134, 95..187, 96..188, 97..195, 117..278, 123..290, 126..275, 129..269, 133..282, 146..286, 161..283, 162..290, 162..278, 169..279, 172..279, 173..289, 179..283, 323..430, 325..438, 325..435, 326..430, 326..445, 331..456, 332..433, 334..462, 338..496, 339..452, 389..613, 455..613, 455..562, 464..568, 470..613, 478..558, 480..599, 481..570, 487..567, 489..581, 600..671, 636..665, 637..669		

Seq. No.	17053	Seq. ID	OJ990517_09.9C23.C49
Gene No.	35918	Strand	-
Start	1002	End	1865
Name	OJ990517_09.9C23.C49.o2.gs	Method	GENSCAN
Start	1002	End	1865
GI	none	Score	.61
Exons	1002..1070, 1788..1865		

Seq. No.	17054	Seq. ID	OJ990517_09.9C23.C51
Gene No.	35919	Strand	+
Start	1	End	644
Name	OJ990517_09.9C23.C51.o1.np	Method	AAT/NAP
Start	1	End	562
GI	2130080	Score	601
Exons	1..150, 266..562		
GI Descrip.	Nramp1 protein - rice gi|1470320|bbs|177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] gi|2231132 (L41217) integral membrane protein [Oryza sativa]		

Seq. No.	17054	Seq. ID	OJ990517_09.9C23.C51
Gene No.	35919	Strand	+
Start	1	End	644
Name	OJ990517_09.9C23.C51.o1.ts	Method	TBLASTX:Soybean
Start	37	End	457
GI	none	Score	122
Exons	37..156, 266..457		

Seq. No.	17054	Seq. ID	OJ990517_09.9C23.C51
Gene No.	35919	Strand	+
Start	1	End	644
Name	OJ990517_09.9C23.C51.o1.gp	Method	AAT/GAP
Start	55	End	644
GI	1052_1.R1084	Score	903
Exons	55..150, 266..644		
GI Descrip.	'2130080/pir||S62667 0.0e+00 Nramp1 protein - rice >gi_1470320_bbs_177441 (S81897) OsNramp1=Nramp1 homolog/Bcg product homolog [Oryza sativa, indica, cv. IR 36, etiolated shoots, Peptide, 517 aa] [Oryza sativa] >gi_2231132 (L41217) integral membrane protein [Oryza sativa]'		

Seq. No.	17054	Seq. ID	OJ990517_09.9C23.C51

Gene No.	35919	Strand	+
Start	1	End	644
Name	OJ990517_09.9C23.C51.o1.gs	Method	GENSCAN
Start	103	End	565
GI	none	Score	.84
Exons	103..150, 266..565		

Seq. No.	17055	Seq. ID	OJ990517_09.9C23.C54
Gene No.	35920	Strand	-
Start	257	End	493
Name	OJ990517_09.9C23.C54.o1.np	Method	AAT/NAP
Start	257	End	493
GI	6478204	Score	123
Exons	257..493		
GI Descrip.	(AF108432) NADPH-dependent codeinone reductase [Papaver somniferum]		

Seq. No.	17056	Seq. ID	OJ990517_09.9C23.C56
Gene No.	35921	Strand	+
Start	672	End	1269
Name	OJ990517_09.9C23.C56.o1.gs	Method	GENSCAN
Start	672	End	1269
GI	none	Score	.65
Exons	672..809, 1078..1269		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35922	Strand	+
Start	4387	End	4473
Name	OJ990517_09.9C23.C57.o1.gp	Method	AAT/GAP
Start	4387	End	4473
GI	none	Score	147
Exons	4387..4473		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35923	Strand	-
Start	2640	End	6544
Name	OJ990517_09.9C23.C57.o1.gs	Method	GENSCAN
Start	2640	End	5121
GI	none	Score	.92
Exons	2640..2708, 3799..5121		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35923	Strand	-
Start	2640	End	6544
Name	OJ990517_09.9C23.C57.o1.np	Method	AAT/NAP
Start	3727	End	6544
GI	3702341	Score	811
Exons	3727..4733, 4773..5074, 6519..6544		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.tm	Method	TBLASTX:Maize
Start	3619	End	5043
GI	none	Score	171
Exons	3619..4479, 3734..4396, 4159..4479, 4381..4728, 4405..4719,		

4442..4648, 4487..4723, 4495..4644, 4495..4728, 4816..5043, 4864..5040

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o1.tc	Method	TBLASTX:Cress
Start	3640	End	4644
GI	none	Score	86
Exons	3640..4308, 3704..3967, 4004..4234, 4447..4563, 4606..4644		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.ts	Method	TBLASTX:Soybean
Start	3674	End	4191
GI	none	Score	116
Exons	3674..4051, 3703..4191, 4091..4156		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.tw	Method	TBLASTX:Wheat
Start	4054	End	4995
GI	none	Score	60
Exons	4054..4530, 4055..4360, 4417..4728, 4463..4729, 4792..4995		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o5.ts	Method	TBLASTX:Soybean
Start	4240	End	4722
GI	none	Score	92
Exons	4240..4638, 4564..4722		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.np	Method	AAT/NAP
Start	8500	End	12789
GI	3600044	Score	1787
Exons	8500..8715, 8834..10521, 10935..12372, 12590..12789		
GI Descrip.	(AF080119) contains similarity to proteases [Arabidopsis thaliana]		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o5.tw	Method	TBLASTX:Wheat
Start	8863	End	9066
GI	none	Score	103
Exons	8863..9066, 8889..9065		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o5.tm	Method	TBLASTX:Maize

Start	8883	End	9233
GI	none	Score	38
Exons	8883..8924, 8887..8922, 8919..9221, 8925..9233, 9002..9226		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o3.tc	Method	TBLASTX:Cress
Start	8889	End	9557
GI	none	Score	104
Exons	8889..9125, 9138..9254, 9363..9557		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.gs	Method	GENSCAN
Start	8958	End	12658
GI	none	Score	.45
Exons	8958..10039, 10232..10596, 10768..10897, 11341..11476, 11690..11938, 12550..12658		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o1.ts	Method	TBLASTX:Soybean
Start	9009	End	9527
GI	none	Score	120
Exons	9009..9527, 9181..9333		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o1.tm	Method	TBLASTX:Maize
Start	9234	End	9692
GI	none	Score	283
Exons	9234..9692, 9235..9681		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o1.tw	Method	TBLASTX:Wheat
Start	9291	End	9722
GI	none	Score	57
Exons	9291..9542, 9292..9378, 9318..9545, 9436..9588, 9548..9619, 9561..9722, 9562..9720		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o4.tm	Method	TBLASTX:Maize
Start	9699	End	10103
GI	none	Score	202
Exons	9699..10043, 9835..10038, 10037..10102, 10044..10103		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789

Name	OJ990517_09.9C23.C57.o3.ts	Method	TBLASTX:Soybean
Start	9903	End	10397
GI	5509260	Score	88
Exons	9903..10040, 9904..10023, 9999..10076, 10034..10204, 10230..10397		
GI Descrip.	-		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o4.tw	Method	TBLASTX:Wheat
Start	9927	End	10379
GI	none	Score	101
Exons	9927..10040, 9928..10020, 10034..10204, 10231..10293, 10287..10379		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o7.tm	Method	TBLASTX:Maize
Start	10103	End	10353
GI	none	Score	52
Exons	10103..10189, 10137..10214, 10218..10352, 10219..10353		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o3.tw	Method	TBLASTX:Wheat
Start	10944	End	11308
GI	none	Score	102
Exons	10944..11093, 11033..11308, 11055..11261		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o2.tc	Method	TBLASTX:Cress
Start	10950	End	11401
GI	none	Score	80
Exons	10950..11048, 11033..11401, 11034..11147		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o3.tm	Method	TBLASTX:Maize
Start	10980	End	11431
GI	none	Score	68
Exons	10980..11042, 10981..11043, 10998..11051, 11033..11356, 11048..11332, 11052..11375, 11333..11431, 11389..11427		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o4.ts	Method	TBLASTX:Soybean
Start	11033	End	11386
GI	none	Score	221
Exons	11033..11386		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o6.tm	Method	TBLASTX:Maize
Start	11435	End	11722
GI	none	Score	66
Exons	11435..11539, 11436..11546, 11552..11722, 11559..11711		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o4.tc	Method	TBLASTX:Cress
Start	11528	End	11827
GI	none	Score	166
Exons	11528..11614, 11618..11827		

Seq. No.	17057	Seq. ID	OJ990517_09.9C23.C57
Gene No.	35924	Strand	-
Start	8958	End	12789
Name	OJ990517_09.9C23.C57.o8.tm	Method	TBLASTX:Maize
Start	11744	End	12066
GI	none	Score	76
Exons	11744..11881, 11879..11974, 11895..11975, 11906..11995, 11980..12066, 11999..12049		

Seq. No.	17058	Seq. ID	OJ990517_09.9C23.C58
Gene No.	35925	Strand	+
Start	249	End	3046
Name	OJ990517_09.9C23.C58.o1.gs	Method	GENSCAN
Start	249	End	3046
GI	none	Score	.86
Exons	249..411, 1463..1594, 2768..2855, 2875..3046		

Seq. No.	17058	Seq. ID	OJ990517_09.9C23.C58
Gene No.	35926	Strand	-
Start	2753	End	3303
Name	OJ990517_09.9C23.C58.o1.np	Method	AAT/NAP
Start	2753	End	3303
GI	6539585	Score	159
Exons	2753..2824, 3125..3303		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17059	Seq. ID	OJ990517_09.9C23.C59
Gene No.	35927	Strand	+
Start	1	End	2225
Name	OJ990517_09.9C23.C59.o1.np	Method	AAT/NAP
Start	1	End	2225
GI	5733831	Score	730
Exons	1..1015, 1635..2225		
GI Descrip.	(AF026267) ethylene receptor homolog [Nicotiana tabacum]		

Seq. No.	17059	Seq. ID	OJ990517_09.9C23.C59
Gene No.	35927	Strand	+
Start	1	End	2225
Name	OJ990517_09.9C23.C59.o1.tm	Method	TBLASTX:Maize
Start	43	End	2216
GI	none	Score	43

Exons	43..75, 133..174, 171..227, 172..246, 211..498, 330..500, 380..505, 481..594, 505..594, 510..623, 556..813, 562..819, 594..818, 835..984, 837..959, 1677..1763, 1679..1753, 1793..1933, 1794..1937, 1935..1976, 2001..2072, 2115..2216, 2126..2200		

Seq. No.	17059	Seq. ID	OJ990517_09.9C23.C59
Gene No.	35927	Strand	+
Start	1	End	2225
Name	OJ990517_09.9C23.C59.o1.gs	Method	GENSCAN
Start	88	End	2216
GI	none	Score	.75
Exons	88..1074, 1680..2216		

Seq. No.	17059	Seq. ID	OJ990517_09.9C23.C59
Gene No.	35927	Strand	+
Start	1	End	2225
Name	OJ990517_09.9C23.C59.o1.ts	Method	TBLASTX:Soybean
Start	133	End	603
GI	none	Score	41
Exons	133..174, 172..237, 208..498, 430..501, 481..603, 525..599		

Seq. No.	17059	Seq. ID	OJ990517_09.9C23.C59
Gene No.	35927	Strand	+
Start	1	End	2225
Name	OJ990517_09.9C23.C59.o1.tc	Method	TBLASTX:Cress
Start	172	End	2207
GI	none	Score	66
Exons	172..228, 211..498, 481..594, 562..819, 1671..1757, 1803..1973, 1808..1909, 2115..2207		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o1.gs	Method	GENSCAN
Start	326	End	1379
GI	none	Score	.66
Exons	326..435, 1206..1379		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o1.np	Method	AAT/NAP
Start	464	End	2436
GI	6705984	Score	1279
Exons	464..1556, 2176..2436		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o1.tw	Method	TBLASTX:Wheat
Start	466	End	950
GI	none	Score	117
Exons	466..609, 484..543, 603..695, 612..743, 617..727, 742..879, 747..896, 756..950, 761..919		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o1.ts	Method	TBLASTX:Soybean
Start	514	End	968
GI	none	Score	92
Exons	514..609, 612..788, 780..968		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o2.tm	Method	TBLASTX:Maize
Start	705	End	941
GI	none	Score	240
Exons	705..941, 722..856, 750..893		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o1.tm	Method	TBLASTX:Maize
Start	1230	End	1550
GI	none	Score	250
Exons	1230..1550, 1415..1546		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o2.gs	Method	GENSCAN
Start	1957	End	2025
GI	none	Score	.9
Exons	1957..2025		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o3.tm	Method	TBLASTX:Maize
Start	2225	End	2435
GI	none	Score	178
Exons	2225..2374, 2226..2435, 2229..2423		

Seq. No.	17060	Seq. ID	OJ990517_09.9C23.C60
Gene No.	35928	Strand	+
Start	326	End	2436
Name	OJ990517_09.9C23.C60.o2.tw	Method	TBLASTX:Wheat
Start	2246	End	2426
GI	none	Score	190
Exons	2246..2368, 2247..2426, 2277..2423		

Seq. No.	17061	Seq. ID	OJ990517_09.9C23.C61
Gene No.	35929	Strand	-
Start	1	End	1499
Name	OJ990517_09.9C23.C61.o1.np	Method	AAT/NAP
Start	1	End	1499
GI	5803259	Score	2012
Exons	1..919, 950..1091, 1187..1499		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	17061	Seq. ID	OJ990517_09.9C23.C61
Gene No.	35929	Strand	-
Start	1	End	1499
Name	OJ990517_09.9C23.C61.o1.gs	Method	GENSCAN
Start	36	End	1327
GI	none	Score	.91
Exons	36..420, 438..1091, 1187..1327		

Seq. No.	17062	Seq. ID	OJ990517_09.9C23.C62
Gene No.	35930	Strand	-
Start	1	End	684
Name	OJ990517_09.9C23.C62.o1.np	Method	AAT/NAP
Start	1	End	684
GI	5803259	Score	1093
Exons	1..684		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	17062	Seq. ID	OJ990517_09.9C23.C62
Gene No.	35930	Strand	-
Start	1	End	684
Name	OJ990517_09.9C23.C62.o1.gs	Method	GENSCAN
Start	35	End	684
GI	none	Score	.51
Exons	35..570, 631..684		

Seq. No.	17063	Seq. ID	OJ990517_09.9C23.C63
Gene No.	35931	Strand	-
Start	1	End	185
Name	OJ990517_09.9C23.C63.o1.np	Method	AAT/NAP
Start	1	End	185
GI	5922623	Score	82
Exons	1..65, 105..185		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17063	Seq. ID	OJ990517_09.9C23.C63
Gene No.	35932	Strand	-
Start	4155	End	5439
Name	OJ990517_09.9C23.C63.o1.gs	Method	GENSCAN
Start	4155	End	5439
GI	none	Score	.87
Exons	4155..4280, 4435..4609, 5276..5325, 5413..5439		

Seq. No.	17064	Seq. ID	OJ990517_09.9C23.C64
Gene No.	35933	Strand	-
Start	1	End	1007
Name	OJ990517_09.9C23.C64.o1.np	Method	AAT/NAP
Start	1	End	1007
GI	5262797	Score	325
Exons	1..28, 512..1007		
GI Descrip.	(AL080282) putative protein (fragment) [Arabidopsis thaliana]		

Seq. No.	17064	Seq. ID	OJ990517_09.9C23.C64
Gene No.	35933	Strand	-
Start	1	End	1007
Name	OJ990517_09.9C23.C64.o1.gs	Method	GENSCAN

Start	498	End	971
GI	none	Score	.45
Exons	498..971		

Seq. No.	17064	Seq. ID	OJ990517_09.9C23.C64
Gene No.	35933	Strand	-
Start	1	End	1007
Name	OJ990517_09.9C23.C64.o1.ts	Method	TBLASTX:Soybean
Start	534	End	971
GI	none	Score	294
Exons	534..971		

Seq. No.	17064	Seq. ID	OJ990517_09.9C23.C64
Gene No.	35933	Strand	-
Start	1	End	1007
Name	OJ990517_09.9C23.C64.o1.tm	Method	TBLASTX:Maize
Start	574	End	947
GI	none	Score	135
Exons	574..927, 576..947, 783..947		

Seq. No.	17064	Seq. ID	OJ990517_09.9C23.C64
Gene No.	35933	Strand	-
Start	1	End	1007
Name	OJ990517_09.9C23.C64.o1.tc	Method	TBLASTX:Cress
Start	621	End	956
GI	none	Score	73
Exons	621..956, 802..948		

Seq. No.	17065	Seq. ID	OJ990517_09.9C23.C65
Gene No.	35934	Strand	-
Start	1	End	906
Name	OJ990517_09.9C23.C65.o1.np	Method	AAT/NAP
Start	1	End	866
GI	3645898	Score	481
Exons	1..866		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	17065	Seq. ID	OJ990517_09.9C23.C65
Gene No.	35934	Strand	-
Start	1	End	906
Name	OJ990517_09.9C23.C65.o1.gs	Method	GENSCAN
Start	60	End	906
GI	none	Score	.45
Exons	60..906		

Seq. No.	17065	Seq. ID	OJ990517_09.9C23.C65
Gene No.	35934	Strand	-
Start	1	End	906
Name	OJ990517_09.9C23.C65.o1.tm	Method	TBLASTX:Maize
Start	238	End	642
GI	none	Score	89
Exons	238..642, 352..603		

Seq. No.	17066	Seq. ID	OJ990517_09.9C23.C68
Gene No.	35935	Strand	+
Start	204	End	894

Name	OJ990517_09.9C23.C68.o1.gs	Method	GENSCAN
Start	204	End	894
GI	none	Score	.67
Exons	204..275, 417..664, 706..894		

Seq. No.	17067	Seq. ID	OJ990517_09.9C23.C69
Gene No.	35936	Strand	-
Start	54	End	277
Name	OJ990517_09.9C23.C69.o1.gs	Method	GENSCAN
Start	54	End	277
GI	none	Score	.89
Exons	54..103, 165..277		

Seq. No.	17068	Seq. ID	OJ990517_09.9C23.C75
Gene No.	35937	Strand	+
Start	1203	End	1259
Name	OJ990517_09.9C23.C75.o1.gp	Method	AAT/GAP
Start	1203	End	1259
GI	uC-osroM202038c10a1	Score	88
Exons	1203..1259		
GI Descrip.	'2792155/emb|CAA11226| 5.0e-24 (AJ223291) chalcone reductase [Sesbania rostrata]'		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35938	Strand	+
Start	1	End	747
Name	OJ990517_09.9C23.C82.o1.np	Method	AAT/NAP
Start	1	End	747
GI	3702341	Score	364
Exons	1..212, 252..747		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35938	Strand	+
Start	1	End	747
Name	OJ990517_09.9C23.C82.o1.gs	Method	GENSCAN
Start	155	End	650
GI	none	Score	.52
Exons	155..650		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35939	Strand	-
Start	512	End	682
Name	OJ990517_09.9C23.C82.o1.tm	Method	TBLASTX:Maize
Start	1	End	598
GI	none	Score	60
Exons	1..78, 319..513, 320..547, 521..598		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35939	Strand	-
Start	512	End	682
Name	OJ990517_09.9C23.C82.o1.tw	Method	TBLASTX:Wheat
Start	1	End	682
GI	none	Score	50
Exons	1..72, 14..55, 266..427, 337..426, 344..682, 344..514		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82

Gene No.	35939	Strand	-
Start	512	End	682
Name	OJ990517_09.9C23.C82.o1.tc	Method	TBLASTX:Cress
Start	266	End	496
GI	none	Score	178
Exons	266..493, 275..496		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35939	Strand	-
Start	512	End	682
Name	OJ990517_09.9C23.C82.o1.ts	Method	TBLASTX:Soybean
Start	275	End	544
GI	none	Score	176
Exons	275..544, 313..471		

Seq. No.	17069	Seq. ID	OJ990517_09.9C23.C82
Gene No.	35939	Strand	-
Start	512	End	682
Name	OJ990517_09.9C23.C82.o1.gp	Method	AAT/GAP
Start	512	End	598
GI	none	Score	147
Exons	512..598		

Seq. No.	17070	Seq. ID	OJ990517_09.9C23.C84
Gene No.	35940	Strand	+
Start	1	End	587
Name	OJ990517_09.9C23.C84.o1.np	Method	AAT/NAP
Start	1	End	587
GI	6498441	Score	859
Exons	1..587		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17070	Seq. ID	OJ990517_09.9C23.C84
Gene No.	35940	Strand	+
Start	1	End	587
Name	OJ990517_09.9C23.C84.o1.tw	Method	TBLASTX:Wheat
Start	45	End	410
GI	none	Score	335
Exons	45..410, 126..371, 131..379		

Seq. No.	17070	Seq. ID	OJ990517_09.9C23.C84
Gene No.	35940	Strand	+
Start	1	End	587
Name	OJ990517_09.9C23.C84.o1.tm	Method	TBLASTX:Maize
Start	54	End	428
GI	none	Score	191
Exons	54..317, 315..428, 335..427		

Seq. No.	17070	Seq. ID	OJ990517_09.9C23.C84
Gene No.	35940	Strand	+
Start	1	End	587
Name	OJ990517_09.9C23.C84.o1.gs	Method	GENSCAN
Start	254	End	568
GI	none	Score	.5
Exons	254..568		

Seq. No.	17071	Seq. ID	OJ990517_09.9C23.C85
Gene No.	35941	Strand	+
Start	339	End	656
Name	OJ990517_09.9C23.C85.o1.gs	Method	GENSCAN
Start	339	End	656
GI	none	Score	.46
Exons	339..656		

Seq. No.	17072	Seq. ID	OJ990517_09.9C23.C86
Gene No.	35942	Strand	+
Start	135	End	710
Name	OJ990517_09.9C23.C86.o1.gp	Method	AAT/GAP
Start	135	End	710
GI	18452_1.R1084	Score	1109
Exons	135..710		
GI Descrip.	'3377822 5.0e-56 (AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]'		

Seq. No.	17072	Seq. ID	OJ990517_09.9C23.C86
Gene No.	35943	Strand	-
Start	306	End	710
Name	OJ990517_09.9C23.C86.o1.tm	Method	TBLASTX:Maize
Start	279	End	710
GI	none	Score	393
Exons	279..710, 282..710		

Seq. No.	17072	Seq. ID	OJ990517_09.9C23.C86
Gene No.	35943	Strand	-
Start	306	End	710
Name	OJ990517_09.9C23.C86.o1.np	Method	AAT/NAP
Start	306	End	710
GI	3377822	Score	461
Exons	306..710		
GI Descrip.	(AF076275) contains similarity to Caenorhabditis elegans MEL-26 (GB:U67737) [Arabidopsis thaliana]		

Seq. No.	17072	Seq. ID	OJ990517_09.9C23.C86
Gene No.	35943	Strand	-
Start	306	End	710
Name	OJ990517_09.9C23.C86.o1.ts	Method	TBLASTX:Soybean
Start	336	End	623
GI	none	Score	128
Exons	336..623, 339..593, 442..621		

Seq. No.	17073	Seq. ID	OJ990517_09.9C23.C89
Gene No.	35944	Strand	+
Start	26	End	220
Name	OJ990517_09.9C23.C89.o1.gs	Method	GENSCAN
Start	26	End	220
GI	none	Score	.83
Exons	26..220		

Seq. No.	17074	Seq. ID	OJ990517_09.9C23.C90
Gene No.	35945	Strand	+
Start	285	End	764

Name	OJ990517_09.9C23.C90.o1.gp	Method	AAT/GAP
Start	160	End	764
GI	29886_1.R1084	Score	1164
Exons	160..764		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	17074	Seq. ID	OJ990517_09.9C23.C90
Gene No.	35945	Strand	+
Start	285	End	764
Name	OJ990517_09.9C23.C90.o1.gs	Method	GENSCAN
Start	285	End	512
GI	none	Score	.61
Exons	285..512		

Seq. No.	17075	Seq. ID	OJ990527_03.9C03.C2
Gene No.	35946	Strand	+
Start	1	End	949
Name	OJ990527_03.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	949
GI	5902444	Score	553
Exons	1..949		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17075	Seq. ID	OJ990527_03.9C03.C2
Gene No.	35947	Strand	-
Start	425	End	875
Name	OJ990527_03.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	422	End	875
GI	none	Score	111
Exons	422..550, 430..546, 639..875, 641..865		

Seq. No.	17075	Seq. ID	OJ990527_03.9C03.C2
Gene No.	35947	Strand	-
Start	425	End	875
Name	OJ990527_03.9C03.C2.o1.gs	Method	GENSCAN
Start	425	End	820
GI	none	Score	.65
Exons	425..558, 602..820		

Seq. No.	17076	Seq. ID	OJ990527_03.9C03.C4
Gene No.	35948	Strand	+
Start	210	End	387
Name	OJ990527_03.9C03.C4.o1.gs	Method	GENSCAN
Start	210	End	387
GI	none	Score	.63
Exons	210..387		

Seq. No.	17077	Seq. ID	OJ990527_03.9C03.C5
Gene No.	35949	Strand	+
Start	95	End	316
Name	OJ990527_03.9C03.C5.o1.gs	Method	GENSCAN
Start	95	End	316
GI	none	Score	.53
Exons	95..316		

Seq. No.	17078	Seq. ID	OJ990527_03.9C03.C8

Gene No.	35950	Strand	+
Start	154	End	283
Name	OJ990527_03.9C03.C8.o1.gs	Method	GENSCAN
Start	154	End	283
GI	none	Score	.61
Exons	154..283		

Seq. No.	17078	Seq. ID	OJ990527_03.9C03.C8
Gene No.	35951	Strand	-
Start	1	End	536
Name	OJ990527_03.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	536
GI	6498441	Score	361
Exons	1..536		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17078	Seq. ID	OJ990527_03.9C03.C8
Gene No.	35951	Strand	-
Start	1	End	536
Name	OJ990527_03.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	66	End	294
GI	none	Score	132
Exons	66..293, 73..291, 118..294		

Seq. No.	17079	Seq. ID	OJ990527_03.9C03.C10
Gene No.	35952	Strand	-
Start	325	End	534
Name	OJ990527_03.9C03.C10.o1.gs	Method	GENSCAN
Start	325	End	534
GI	none	Score	.82
Exons	325..534		

Seq. No.	17080	Seq. ID	OJ990527_03.9C03.C12
Gene No.	35953	Strand	+
Start	74	End	261
Name	OJ990527_03.9C03.C12.o1.gs	Method	GENSCAN
Start	74	End	261
GI	none	Score	.57
Exons	74..261		

Seq. No.	17081	Seq. ID	OJ990527_03.9C03.C13
Gene No.	35954	Strand	-
Start	622	End	631
Name	OJ990527_03.9C03.C13.o1.gs	Method	GENSCAN
Start	622	End	631
GI	none	Score	.88
Exons	622..631		

Seq. No.	17082	Seq. ID	OJ990527_03.9C03.C14
Gene No.	35955	Strand	+
Start	1	End	1909
Name	OJ990527_03.9C03.C14.o1.np	Method	AAT/NAP
Start	1	End	1909
GI	1809257	Score	115
Exons	1..512, 1865..1909		

GI Descrip.	(U59316) serine/threonine protein kinase Pto [Lycopersicon esculentum]		
Seq. No.	17082	Seq. ID	OJ990527_03.9C03.C14
Gene No.	35955	Strand	+
Start	1	End	1909
Name	OJ990527_03.9C03.C14.o1.gs	Method	GENSCAN
Start	138	End	878
GI	none	Score	.7
Exons	138..878		
Seq. No.	17082	Seq. ID	OJ990527_03.9C03.C14
Gene No.	35956	Strand	-
Start	1	End	1559
Name	OJ990527_03.9C03.C14.o2.np	Method	AAT/NAP
Start	1	End	1559
GI	6539588	Score	88
Exons	1..67, 1370..1559		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	17082	Seq. ID	OJ990527_03.9C03.C14
Gene No.	35957	Strand	-
Start	1733	End	2369
Name	OJ990527_03.9C03.C14.o2.gs	Method	GENSCAN
Start	1733	End	2369
GI	none	Score	.47
Exons	1733..1901, 2242..2369		
Seq. No.	17083	Seq. ID	OJ990527_03.9C03.C15
Gene No.	35958	Strand	-
Start	827	End	988
Name	OJ990527_03.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	107	End	507
GI	none	Score	71
Exons	107..262, 108..269, 251..346,	251..346,	385..507
Seq. No.	17083	Seq. ID	OJ990527_03.9C03.C15
Gene No.	35958	Strand	-
Start	827	End	988
Name	OJ990527_03.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	119	End	681
GI	none	Score	185
Exons	119..217, 308..349, 385..681		
Seq. No.	17083	Seq. ID	OJ990527_03.9C03.C15
Gene No.	35958	Strand	-
Start	827	End	988
Name	OJ990527_03.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	308	End	817
GI	none	Score	51
Exons	308..343, 385..486, 475..642,	671..700,	773..817
Seq. No.	17083	Seq. ID	OJ990527_03.9C03.C15
Gene No.	35958	Strand	-
Start	827	End	988
Name	OJ990527_03.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	529	End	916

GI	none	Score	151
Exons	529..675, 649..888, 659..913, 668..916		
Seq. No.	17083	Seq. ID	OJ990527_03.9C03.C15
Gene No.	35958	Strand	-
Start	827	End	988
Name	OJ990527_03.9C03.C15.o1.gs	Method	GENSCAN
Start	827	End	988
GI	none	Score	.98
Exons	827..988		
Seq. No.	17084	Seq. ID	OJ990527_03.9C03.C17
Gene No.	35959	Strand	+
Start	1	End	545
Name	OJ990527_03.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	545
GI	3980411	Score	93
Exons	1..125, 184..545		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		
Seq. No.	17084	Seq. ID	OJ990527_03.9C03.C17
Gene No.	35960	Strand	-
Start	288	End	449
Name	OJ990527_03.9C03.C17.o1.gs	Method	GENSCAN
Start	288	End	449
GI	none	Score	.43
Exons	288..449		
Seq. No.	17085	Seq. ID	OJ990527_03.9C03.C20
Gene No.	35961	Strand	-
Start	1	End	767
Name	OJ990527_03.9C03.C20.o1.np	Method	AAT/NAP
Start	1	End	351
GI	6721561	Score	217
Exons	1..351		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	17085	Seq. ID	OJ990527_03.9C03.C20
Gene No.	35961	Strand	-
Start	1	End	767
Name	OJ990527_03.9C03.C20.o2.np	Method	AAT/NAP
Start	1	End	767
GI	6721558	Score	129
Exons	1..161, 355..485, 703..767		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	17085	Seq. ID	OJ990527_03.9C03.C20
Gene No.	35961	Strand	-
Start	1	End	767
Name	OJ990527_03.9C03.C20.o1.gs	Method	GENSCAN
Start	71	End	717

GI	none	Score	.82
Exons	71..242, 355..479, 645..717		

Seq. No.	17086	Seq. ID	OJ990527_03.9C03.C22
Gene No.	35962	Strand	+
Start	1	End	727
Name	OJ990527_03.9C03.C22.o1.np	Method	AAT/NAP
Start	1	End	727
GI	5042454	Score	271
Exons	1..60, 286..465, 700..727		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17086	Seq. ID	OJ990527_03.9C03.C22
Gene No.	35962	Strand	+
Start	1	End	727
Name	OJ990527_03.9C03.C22.o1.gs	Method	GENSCAN
Start	315	End	461
GI	none	Score	.51
Exons	315..461		

Seq. No.	17087	Seq. ID	OJ990527_03.9C03.C23
Gene No.	35963	Strand	+
Start	1	End	499
Name	OJ990527_03.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	499
GI	6539586	Score	727
Exons	1..499		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17087	Seq. ID	OJ990527_03.9C03.C23
Gene No.	35963	Strand	+
Start	1	End	499
Name	OJ990527_03.9C03.C23.o1.gs	Method	GENSCAN
Start	53	End	454
GI	none	Score	.99
Exons	53..454		

Seq. No.	17088	Seq. ID	OJ990527_03.9C03.C24
Gene No.	35964	Strand	+
Start	1	End	705
Name	OJ990527_03.9C03.C24.o1.np	Method	AAT/NAP
Start	1	End	705
GI	6498441	Score	732
Exons	1..310, 503..705		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17088	Seq. ID	OJ990527_03.9C03.C24
Gene No.	35964	Strand	+
Start	1	End	705
Name	OJ990527_03.9C03.C24.o1.gs	Method	GENSCAN
Start	48	End	626
GI	none	Score	.42
Exons	48..626		

Seq. No.	17089	Seq. ID	OJ990527_03.9C03.C28

Gene No.	35965	Strand	+
Start	1	End	650
Name	OJ990527_03.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	650
GI	6498441	Score	371
Exons	1..221, 303..650		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17089	Seq. ID	OJ990527_03.9C03.C28
Gene No.	35965	Strand	+
Start	1	End	650
Name	OJ990527_03.9C03.C28.o1.gs	Method	GENSCAN
Start	158	End	628
GI	none	Score	.75
Exons	158..269, 357..628		

Seq. No.	17089	Seq. ID	OJ990527_03.9C03.C28
Gene No.	35965	Strand	+
Start	1	End	650
Name	OJ990527_03.9C03.C28.o1.tw	Method	TBLASTX:Wheat
Start	276	End	640
GI	none	Score	373
Exons	276..623, 288..614, 296..640		

Seq. No.	17089	Seq. ID	OJ990527_03.9C03.C28
Gene No.	35965	Strand	+
Start	1	End	650
Name	OJ990527_03.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	441	End	627
GI	none	Score	219
Exons	441..626, 503..622, 507..626, 514..627		

Seq. No.	17090	Seq. ID	OJ990527_03.9C03.C29
Gene No.	35966	Strand	-
Start	1	End	674
Name	OJ990527_03.9C03.C29.o1.np	Method	AAT/NAP
Start	1	End	674
GI	6539586	Score	920
Exons	1..674		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17090	Seq. ID	OJ990527_03.9C03.C29
Gene No.	35966	Strand	-
Start	1	End	674
Name	OJ990527_03.9C03.C29.o1.gs	Method	GENSCAN
Start	103	End	521
GI	none	Score	.83
Exons	103..521		

Seq. No.	17091	Seq. ID	OJ990527_03.9C03.C31
Gene No.	35967	Strand	-
Start	182	End	732
Name	OJ990527_03.9C03.C31.o1.gs	Method	GENSCAN
Start	182	End	732
GI	none	Score	.66

Exons	182..274, 715..732		
Seq. No.	17092	Seq. ID	OJ990527_03.9C03.C32
Gene No.	35968	Strand	+
Start	1	End	747
Name	OJ990527_03.9C03.C32.o1.np	Method	AAT/NAP
Start	1	End	747
GI	4589974	Score	241
Exons	1..37, 293..747		
GI Descrip.	(AC007195) unknown protein [Arabidopsis thaliana]		
Seq. No.	17092	Seq. ID	OJ990527_03.9C03.C32
Gene No.	35968	Strand	+
Start	1	End	747
Name	OJ990527_03.9C03.C32.o1.gs	Method	GENSCAN
Start	502	End	647
GI	none	Score	.84
Exons	502..647		
Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35969	Strand	+
Start	1	End	1970
Name	OJ990527_03.9C03.C35.o1.np	Method	AAT/NAP
Start	1	End	1967
GI	6498441	Score	2721
Exons	1..1592, 1686..1967		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35969	Strand	+
Start	1	End	1970
Name	OJ990527_03.9C03.C35.o1.gs	Method	GENSCAN
Start	198	End	1970
GI	none	Score	.67
Exons	198..1028, 1128..1693, 1700..1970		
Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o3.tw	Method	TBLASTX:Wheat
Start	63	End	482
GI	none	Score	93
Exons	63..137, 68..136, 165..482, 186..386, 191..415		
Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o1.tm	Method	TBLASTX:Maize
Start	837	End	1199
GI	none	Score	337
Exons	837..1160, 854..1147, 957..1169, 1152..1199		
Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839

Name	OJ990527_03.9C03.C35.o1.tw	Method	TBLASTX:Wheat
Start	974	End	1355
GI	none	Score	352
Exons	974..1042, 975..1355, 978..1316, 1076..1324		

Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o2.tw	Method	TBLASTX:Wheat
Start	1356	End	1958
GI	none	Score	258
Exons	1356..1640, 1358..1666, 1361..1639, 1832..1954, 1833..1958		

Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o2.tm	Method	TBLASTX:Maize
Start	1827	End	1973
GI	none	Score	186
Exons	1827..1973, 1832..1966		

Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o2.gs	Method	GENSCAN
Start	2599	End	3708
GI	none	Score	1
Exons	2599..3708		

Seq. No.	17093	Seq. ID	OJ990527_03.9C03.C35
Gene No.	35970	Strand	-
Start	2599	End	3839
Name	OJ990527_03.9C03.C35.o2.np	Method	AAT/NAP
Start	2602	End	3839
GI	6539586	Score	1908
Exons	2602..3839		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17094	Seq. ID	OJ990527_03.9C03.C36
Gene No.	35971	Strand	+
Start	1	End	3564
Name	OJ990527_03.9C03.C36.o2.np	Method	AAT/NAP
Start	1	End	3447
GI	5042454	Score	291
Exons	1..138, 1902..2039, 2257..2375, 2952..3135, 3394..3447		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17094	Seq. ID	OJ990527_03.9C03.C36
Gene No.	35971	Strand	+
Start	1	End	3564
Name	OJ990527_03.9C03.C36.o2.gs	Method	GENSCAN
Start	2875	End	3564
GI	none	Score	.72
Exons	2875..2946, 3046..3135, 3394..3564		

Seq. No.	17094	Seq. ID	OJ990527_03.9C03.C36
Gene No.	35972	Strand	-

Start	1	End	2002
Name	OJ990527_03.9C03.C36.o1.np	Method	AAT/NAP
Start	1	End	2002
GI	6907089	Score	3060
Exons	1..646, 741..2002		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17095	Seq. ID	OJ990527_03.9C03.C37
Gene No.	35973	Strand	+
Start	860	End	1700
Name	OJ990527_03.9C03.C37.o1.gs	Method	GENSCAN
Start	860	End	1700
GI	none	Score	.64
Exons	860..1227, 1267..1700		

Seq. No.	17096	Seq. ID	OJ990527_03.9C03.C39
Gene No.	35974	Strand	+
Start	837	End	3017
Name	OJ990527_03.9C03.C39.o1.gs	Method	GENSCAN
Start	837	End	3017
GI	none	Score	.92
Exons	837..1496, 2394..3017		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o1.np	Method	AAT/NAP
Start	1	End	8596
GI	4680204	Score	750
Exons	1..47, 2282..2915, 5102..5206, 6165..6350, 6446..7518, 7625..7797, 7892..8022, 8365..8596		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o1.gs	Method	GENSCAN
Start	111	End	928
GI	none	Score	.58
Exons	111..190, 787..928		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o2.gs	Method	GENSCAN
Start	2298	End	10239
GI	none	Score	.47
Exons	2298..2516, 2775..2948, 3779..3904, 4145..4178, 4656..5272, 6165..6350, 6446..6587, 6810..7040, 7242..7492, 7625..7797, 7892..7982, 8246..8344, 8424..8560, 8937..9152, 9732..9798, 10207..10239		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o1.tw	Method	TBLASTX:Wheat
Start	2393	End	2798

GI	none	Score	195
Exons	2393..2638, 2397..2633, 2706..2798, 2723..2797		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o3.np	Method	AAT/NAP
Start	7313	End	9822
GI	421867	Score	173
Exons	7313..7446, 8937..9113, 9732..9822		
GI Descrip.	ubiquitin / ribosomal protein CEP52 - turnip gi|347064 (L21898) ubiquitin/ribosomal protein [Brassica rapa] gi|395079|emb|CAA80863| (Z24738) ubiquitin/ribosomal protein [Brassica rapa]		

Seq. No.	17097	Seq. ID	OJ990527_03.9C03.C40
Gene No.	35975	Strand	+
Start	1	End	10943
Name	OJ990527_03.9C03.C40.o4.np	Method	AAT/NAP
Start	9518	End	10943
GI	5852084	Score	86
Exons	9518..9607, 10841..10943		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	17098	Seq. ID	OJ990527_03.9C03.C41
Gene No.	35976	Strand	+
Start	44	End	1411
Name	OJ990527_03.9C03.C41.o1.gs	Method	GENSCAN
Start	44	End	1411
GI	none	Score	.6
Exons	44..85, 1160..1411		

Seq. No.	17098	Seq. ID	OJ990527_03.9C03.C41
Gene No.	35977	Strand	-
Start	1897	End	3253
Name	OJ990527_03.9C03.C41.o2.gs	Method	GENSCAN
Start	1897	End	3253
GI	none	Score	.6
Exons	1897..2064, 3152..3253		

Seq. No.	17099	Seq. ID	OJ990527_03.9C03.C42
Gene No.	35978	Strand	+
Start	952	End	3271
Name	OJ990527_03.9C03.C42.o1.gs	Method	GENSCAN
Start	952	End	2973
GI	none	Score	.5
Exons	952..1161, 1623..1640, 2761..2973		

Seq. No.	17099	Seq. ID	OJ990527_03.9C03.C42
Gene No.	35978	Strand	+
Start	952	End	3271
Name	OJ990527_03.9C03.C42.o1.tm	Method	TBLASTX:Maize
Start	2815	End	3270
GI	none	Score	97
Exons	2815..2937, 2947..3069, 2958..3065, 2980..3123, 3118..3186, 3187..3270		

Seq. No.	17099	Seq. ID	OJ990527_03.9C03.C42
Gene No.	35978	Strand	+
Start	952	End	3271
Name	OJ990527_03.9C03.C42.o1.ts	Method	TBLASTX:Soybean
Start	2848	End	3270
GI	none	Score	322
Exons	2848..3270, 2856..3071, 3071..3085, 3117..3269		

Seq. No.	17099	Seq. ID	OJ990527_03.9C03.C42
Gene No.	35978	Strand	+
Start	952	End	3271
Name	OJ990527_03.9C03.C42.o1.np	Method	AAT/NAP
Start	2849	End	3271
GI	4966347	Score	310
Exons	2849..3271		
GI Descrip.	(AC006341) Similar to gb|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	17099	Seq. ID	OJ990527_03.9C03.C42
Gene No.	35978	Strand	+
Start	952	End	3271
Name	OJ990527_03.9C03.C42.o1.tc	Method	TBLASTX:Cress
Start	2853	End	3270
GI	none	Score	70
Exons	2853..2933, 2860..2934, 2947..3069, 2961..3065, 3020..3097, 3136..3270, 3142..3270		

Seq. No.	17100	Seq. ID	OJ990527_03.9C03.C43
Gene No.	35979	Strand	+
Start	78	End	547
Name	OJ990527_03.9C03.C43.o1.gs	Method	GENSCAN
Start	78	End	547
GI	none	Score	.9
Exons	78..547		

Seq. No.	17101	Seq. ID	OJ990527_03.9C03.C44
Gene No.	35980	Strand	-
Start	1	End	2104
Name	OJ990527_03.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	1330
GI	3153821	Score	83
Exons	1..45, 474..647, 715..914, 1234..1330		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		

Seq. No.	17101	Seq. ID	OJ990527_03.9C03.C44
Gene No.	35980	Strand	-
Start	1	End	2104
Name	OJ990527_03.9C03.C44.o1.gs	Method	GENSCAN
Start	269	End	2104
GI	none	Score	.5
Exons	269..658, 683..862, 1794..1941, 2064..2104		

Seq. No.	17101	Seq. ID	OJ990527_03.9C03.C44
Gene No.	35981	Strand	-
Start	2984	End	4035
Name	OJ990527_03.9C03.C44.o2.np	Method	AAT/NAP

Start	2984	End	4035
GI	6648169	Score	70
Exons	2984..3125, 3916..4035		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	17102	Seq. ID	OJ990527_03.9C03.C45
Gene No.	35982	Strand	+
Start	1084	End	4473
Name	OJ990527_03.9C03.C45.o1.gs	Method	GENSCAN
Start	1084	End	4473
GI	none	Score	.71
Exons	1084..1242, 1288..1382, 2765..2966, 3402..3497, 4165..4236, 4369..4473		

Seq. No.	17102	Seq. ID	OJ990527_03.9C03.C45
Gene No.	35982	Strand	+
Start	1084	End	4473
Name	OJ990527_03.9C03.C45.o1.np	Method	AAT/NAP
Start	1084	End	4470
GI	6648169	Score	546
Exons	1084..1257, 1890..1992, 2053..2238, 2732..2966, 3402..3497, 4165..4236, 4369..4470		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	17102	Seq. ID	OJ990527_03.9C03.C45
Gene No.	35982	Strand	+
Start	1084	End	4473
Name	OJ990527_03.9C03.C45.o1.tm	Method	TBLASTX:Maize
Start	2829	End	4251
GI	none	Score	215
Exons	2829..2975, 2831..2965, 2836..2970, 3401..3508, 3402..3515, 3408..3515, 4148..4234, 4148..4225, 4164..4235, 4165..4251		

Seq. No.	17103	Seq. ID	OJ990527_03.9C03.C46
Gene No.	35983	Strand	+
Start	649	End	786
Name	OJ990527_03.9C03.C46.o1.gs	Method	GENSCAN
Start	649	End	786
GI	none	Score	.72
Exons	649..786		

Seq. No.	17103	Seq. ID	OJ990527_03.9C03.C46
Gene No.	35984	Strand	+
Start	2422	End	3766
Name	OJ990527_03.9C03.C46.o1.np	Method	AAT/NAP
Start	2422	End	3766
GI	6630699	Score	90
Exons	2422..2453, 3689..3766		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17103	Seq. ID	OJ990527_03.9C03.C46
Gene No.	35985	Strand	+
Start	3903	End	4313
Name	OJ990527_03.9C03.C46.o2.np	Method	AAT/NAP
Start	3903	End	4313

GI	6539570	Score	198
Exons	3903..4096, 4247..4313		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17103	Seq. ID	OJ990527_03.9C03.C46
Gene No.	35986	Strand	-
Start	2385	End	3600
Name	OJ990527_03.9C03.C46.o2.gs	Method	GENSCAN
Start	2385	End	3600
GI	none	Score	.59
Exons	2385..2618, 2808..2893, 3420..3600		

Seq. No.	17103	Seq. ID	OJ990527_03.9C03.C46
Gene No.	35987	Strand	-
Start	3903	End	5549
Name	OJ990527_03.9C03.C46.o3.gs	Method	GENSCAN
Start	3903	End	5549
GI	none	Score	.72
Exons	3903..4016, 4715..4900, 5103..5549		

Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35988	Strand	+
Start	1368	End	5295
Name	OJ990527_03.9C03.C47.o1.gs	Method	GENSCAN
Start	1368	End	5295
GI	none	Score	.83
Exons	1368..1511, 1903..2152, 2667..2840, 2995..3107, 3443..3597, 3703..3775, 3942..4066, 4179..4453, 4620..4647, 4699..5295		

Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35988	Strand	+
Start	1368	End	5295
Name	OJ990527_03.9C03.C47.o1.np	Method	AAT/NAP
Start	4070	End	5292
GI	6721561	Score	1168
Exons	4070..4325, 4396..4453, 4527..5292		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o2.gs	Method	GENSCAN
Start	5384	End	10376
GI	none	Score	.63
Exons	5384..5542, 5659..5850, 5861..6085, 6530..6711, 6840..7361, 7363..7756, 7852..8611, 8656..9923, 10011..10376		

Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o2.np	Method	AAT/NAP
Start	6790	End	9914
GI	5902445	Score	2822

Exons	6790..7549, 7600..8094, 8134..9914		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o3.tw	Method	TBLASTX:Wheat
Start	6799	End	7414
GI	none	Score	68
Exons	6799..6930, 6812..6925, 6955..7341, 7340..7414		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o4.tm	Method	TBLASTX:Maize
Start	6835	End	7101
GI	none	Score	52
Exons	6835..6918, 6866..6925, 6919..7101, 6920..6970		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o4.tw	Method	TBLASTX:Wheat
Start	7541	End	7974
GI	none	Score	161
Exons	7541..7591, 7595..7966, 7597..7974		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o2.tm	Method	TBLASTX:Maize
Start	7669	End	7974
GI	none	Score	167
Exons	7669..7974, 7670..7957		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o5.tw	Method	TBLASTX:Wheat
Start	8446	End	8852
GI	none	Score	42
Exons	8446..8604, 8446..8619, 8627..8671, 8632..8676, 8682..8852		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o1.ts	Method	TBLASTX:Soybean
Start	8943	End	9368
GI	none	Score	93
Exons	8943..9368, 9184..9324		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o2.tw	Method	TBLASTX:Wheat
Start	8998	End	9422
GI	none	Score	260

Exons	8998..9324, 9000..9422, 9030..9419		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o3.tm	Method	TBLASTX:Maize
Start	9096	End	9452
GI	none	Score	128
Exons	9096..9452, 9097..9324, 9335..9430		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o1.tm	Method	TBLASTX:Maize
Start	9486	End	9839
GI	none	Score	140
Exons	9486..9545, 9525..9839, 9534..9773, 9535..9777		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o1.tw	Method	TBLASTX:Wheat
Start	9525	End	9969
GI	none	Score	361
Exons	9525..9968, 9526..9969		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o2.ts	Method	TBLASTX:Soybean
Start	9564	End	9929
GI	none	Score	114
Exons	9564..9698, 9714..9929		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o3.np	Method	AAT/NAP
Start	9981	End	10539
GI	5902444	Score	403
Exons	9981..10539		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	17104	Seq. ID	OJ990527_03.9C03.C47
Gene No.	35989	Strand	-
Start	5384	End	10539
Name	OJ990527_03.9C03.C47.o6.tw	Method	TBLASTX:Wheat
Start	10161	End	10539
GI	none	Score	118
Exons	10161..10397, 10171..10395, 10486..10539		
Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35990	Strand	+
Start	955	End	2661
Name	OJ990527_03.9C03.C48.o2.np	Method	AAT/NAP
Start	955	End	2661
GI	6721512	Score	83

Exons	955..991, 2559..2661		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35991	Strand	-
Start	97	End	6108
Name	OJ990527_03.9C03.C48.o1.gs	Method	GENSCAN
Start	97	End	6108
GI	none	Score	.63
Exons	97..368, 409..603, 630..815, 873..1011, 1056..1714, 1729..1852, 1955..2413, 2420..2598, 2924..3100, 3543..3660, 4031..4237, 5851..6108		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35991	Strand	-
Start	97	End	6108
Name	OJ990527_03.9C03.C48.o1.np	Method	AAT/NAP
Start	322	End	1155
GI	6721562	Score	436
Exons	322..396, 540..1155		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o1.tw	Method	TBLASTX:Wheat
Start	667	End	1107
GI	none	Score	49
Exons	667..942, 706..858, 716..937, 898..1014, 907..990, 911..1003, 1015..1065, 1051..1107		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o3.np	Method	AAT/NAP
Start	7573	End	11461
GI	4680199	Score	700
Exons	7573..7617, 8958..9104, 9276..10086, 10500..10803, 10875..11095, 11157..11461		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o2.gs	Method	GENSCAN
Start	8936	End	11017
GI	none	Score	.59
Exons	8936..9551, 10500..11017		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o1.tm	Method	TBLASTX:Maize

Start	9188	End	9635
GI	none	Score	55
Exons	9188..9391, 9413..9634, 9434..9553, 9576..9635		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o1.ts	Method	TBLASTX:Soybean
Start	9251	End	9643
GI	none	Score	244
Exons	9251..9316, 9302..9643		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o2.tw	Method	TBLASTX:Wheat
Start	9389	End	9754
GI	none	Score	213
Exons	9389..9754		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o2.tm	Method	TBLASTX:Maize
Start	9638	End	9877
GI	none	Score	107
Exons	9638..9715, 9695..9877, 9699..9866		

Seq. No.	17105	Seq. ID	OJ990527_03.9C03.C48
Gene No.	35992	Strand	-
Start	7573	End	11461
Name	OJ990527_03.9C03.C48.o3.tm	Method	TBLASTX:Maize
Start	10481	End	10891
GI	none	Score	64
Exons	10481..10639, 10481..10672, 10503..10667, 10682..10891		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.np	Method	AAT/NAP
Start	1	End	1657
GI	4826399	Score	487
Exons	1..74, 798..1657		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o2.np	Method	AAT/NAP
Start	92	End	2258
GI	423988	Score	473
Exons	92..191, 802..1666, 2120..2258		
GI Descrip.	serine/threonine kinase homolog PRO25 - Arabidopsis thaliana gi|166813 (L04999) serine threonine kinase [Arabidopsis thaliana]		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49

Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.gs	Method	GENSCAN
Start	690	End	2771
GI	none	Score	.51
Exons	690..2080, 2249..2771		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.tm	Method	TBLASTX:Maize
Start	854	End	2486
GI	none	Score	68
Exons	854..928, 855..935, 948..1100, 953..1099, 1131..1439, 1200..1424, 1214..1429, 1494..1649, 1905..2051, 2220..2270, 2313..2486		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.tc	Method	TBLASTX:Cress
Start	855	End	2492
GI	none	Score	68
Exons	855..935, 948..1445, 962..1177, 1199..1423, 1266..1427, 1506..1649, 1521..1673, 1860..2051, 1862..2050, 2220..2291, 2315..2485, 2319..2492		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	857	End	2486
GI	none	Score	509
Exons	857..1429, 864..1481, 1971..2051, 2313..2486		

Seq. No.	17106	Seq. ID	OJ990527_03.9C03.C49
Gene No.	35993	Strand	+
Start	1	End	2771
Name	OJ990527_03.9C03.C49.o1.tw	Method	TBLASTX:Wheat
Start	1049	End	2525
GI	none	Score	48
Exons	1049..1096, 1050..1121, 1125..1310, 1199..1282, 1322..1429, 1323..1430, 2403..2525		

Seq. No.	17107	Seq. ID	OJ990527_03.9C03.C50
Gene No.	35994	Strand	+
Start	905	End	3166
Name	OJ990527_03.9C03.C50.o1.gs	Method	GENSCAN
Start	905	End	3166
GI	none	Score	.48
Exons	905..1048, 1262..1327, 1357..1480, 2323..2445, 2965..3166		

Seq. No.	17107	Seq. ID	OJ990527_03.9C03.C50
Gene No.	35995	Strand	-
Start	4269	End	5259
Name	OJ990527_03.9C03.C50.o1.np	Method	AAT/NAP
Start	4269	End	5259

GI	1168471	Score	69
Exons	4269..4393, 5171..5259		
GI Descrip.	PROTEIN KINASE APK1B		

Seq. No.	17107	Seq. ID	OJ990527_03.9C03.C50
Gene No.	35996	Strand	
Start	5478	End	5830
Name	OJ990527_03.9C03.C50.o1.tm	Method	TBLASTX:Maize
Start	5478	End	5830
GI	none	Score	48
Exons	5478..5534, 5490..5537, 5542..5562, 5563..5643, 5572..5664, 5589..5666, 5617..5700, 5654..5707, 5655..5699, 5747..5830, 5748..5828, 5762..5830		

Seq. No.	17108	Seq. ID	OJ990527_03.9C03.C52
Gene No.	35997	Strand	+
Start	965	End	1031
Name	OJ990527_03.9C03.C52.o1.gs	Method	GENSCAN
Start	965	End	1031
GI	none	Score	.59
Exons	965..1031		

Seq. No.	17109	Seq. ID	OJ990527_03.9C03.C53
Gene No.	35998	Strand	+
Start	523	End	3159
Name	OJ990527_03.9C03.C53.o1.gs	Method	GENSCAN
Start	523	End	3159
GI	none	Score	.62
Exons	523..589, 1084..1111, 2006..2146, 2229..2373, 2756..3159		

Seq. No.	17110	Seq. ID	OJ990527_03.9C03.C55
Gene No.	35999	Strand	+
Start	1	End	1083
Name	OJ990527_03.9C03.C55.o1.np	Method	AAT/NAP
Start	1	End	1083
GI	3549626	Score	483
Exons	1..40, 188..1083		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	17110	Seq. ID	OJ990527_03.9C03.C55
Gene No.	35999	Strand	+
Start	1	End	1083
Name	OJ990527_03.9C03.C55.o1.ts	Method	TBLASTX:Soybean
Start	238	End	831
GI	none	Score	74
Exons	238..327, 343..831, 345..821		

Seq. No.	17110	Seq. ID	OJ990527_03.9C03.C55
Gene No.	35999	Strand	+
Start	1	End	1083
Name	OJ990527_03.9C03.C55.o1.tc	Method	TBLASTX:Cress
Start	244	End	1053
GI	none	Score	64
Exons	244..324, 328..513, 343..831, 348..809, 586..813, 850..1053		

Seq. No.	17110	Seq. ID	OJ990527_03.9C03.C55
Gene No.	35999	Strand	+

Start	1	End	1083
Name	OJ990527_03.9C03.C55.o1.tm	Method	TBLASTX:Maize
Start	244	End	1038
GI	none	Score	72
Exons	244..324, 340..825, 348..563, 586..801, 600..824, 898..1038		

Seq. No.	17110	Seq. ID	OJ990527_03.9C03.C55
Gene No.	35999	Strand	+
Start	1	End	1083
Name	OJ990527_03.9C03.C55.o1.tw	Method	TBLASTX:Wheat
Start	358	End	681
GI	none	Score	202
Exons	358..681		

Seq. No.	17111	Seq. ID	OJ990517_03.9C03.C4
Gene No.	36000	Strand	-
Start	157	End	350
Name	OJ990517_03.9C03.C4.o1.gs	Method	GENSCAN
Start	157	End	350
GI	none	Score	.47
Exons	157..186, 242..350		

Seq. No.	17112	Seq. ID	OJ990517_03.9C03.C6
Gene No.	36001	Strand	-
Start	1	End	642
Name	OJ990517_03.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	642
GI	4416301	Score	107
Exons	1..191, 491..642		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	17112	Seq. ID	OJ990517_03.9C03.C6
Gene No.	36001	Strand	-
Start	1	End	642
Name	OJ990517_03.9C03.C6.o1.gs	Method	GENSCAN
Start	25	End	520
GI	none	Score	.43
Exons	25..145, 290..520		

Seq. No.	17113	Seq. ID	OJ990517_03.9C03.C7
Gene No.	36002	Strand	+
Start	923	End	1042
Name	OJ990517_03.9C03.C7.o1.gp	Method	AAT/GAP
Start	923	End	1042
GI	none	Score	240
Exons	923..1042		

Seq. No.	17114	Seq. ID	OJ990517_03.9C03.C8
Gene No.	36003	Strand	-
Start	300	End	1089
Name	OJ990517_03.9C03.C8.o1.gs	Method	GENSCAN
Start	300	End	1089
GI	none	Score	.68
Exons	300..319, 1068..1089		

Seq. No.	17115	Seq. ID	OJ990517_03.9C03.C9
Gene No.	36004	Strand	+

Start	1	End	4684
Name	OJ990517_03.9C03.C9.o1.gp	Method	AAT/GAP
Start	1	End	620
GI	none	Score	504
Exons	1..151, 287..359, 471..510, 593..620		

Seq. No.	17115	Seq. ID	OJ990517_03.9C03.C9
Gene No.	36004	Strand	+
Start	1	End	4684
Name	OJ990517_03.9C03.C9.o1.gs	Method	GENSCAN
Start	55	End	4684
GI	none	Score	.59
Exons	55..151, 188..359, 471..510, 593..775, 1170..1242, 1558..1600, 1721..1975, 2125..2367, 2939..3030, 4678..4684		

Seq. No.	17115	Seq. ID	OJ990517_03.9C03.C9
Gene No.	36004	Strand	+
Start	1	End	4684
Name	OJ990517_03.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	610	End	1226
GI	none	Score	40
Exons	610..633, 612..632, 631..774, 639..779, 885..986, 895..987, 1168..1221, 1170..1226		

Seq. No.	17115	Seq. ID	OJ990517_03.9C03.C9
Gene No.	36004	Strand	+
Start	1	End	4684
Name	OJ990517_03.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	634	End	2373
GI	none	Score	163
Exons	634..774, 657..779, 900..989, 907..987, 1167..1232, 1168..1245, 2113..2289, 2124..2174, 2305..2373		

Seq. No.	17115	Seq. ID	OJ990517_03.9C03.C9
Gene No.	36004	Strand	+
Start	1	End	4684
Name	OJ990517_03.9C03.C9.o2.gp	Method	AAT/GAP
Start	2205	End	3030
GI	8513_1.R1084	Score	420
Exons	2205..2367, 2939..3030		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17116	Seq. ID	OJ990517_03.9C03.C11
Gene No.	36005	Strand	+
Start	1122	End	6278
Name	OJ990517_03.9C03.C11.o1.gs	Method	GENSCAN
Start	1122	End	6278
GI	none	Score	.51
Exons	1122..1275, 1301..1369, 1497..1694, 2220..2281, 2609..2719, 2943..3287, 6028..6278		

Seq. No.	17116	Seq. ID	OJ990517_03.9C03.C11
Gene No.	36005	Strand	+
Start	1122	End	6278
Name	OJ990517_03.9C03.C11.o1.gp	Method	AAT/GAP
Start	1184	End	1371

GI	8513_1.R1084	Score	337
Exons	1184..1371		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17116	Seq. ID	OJ990517_03.9C03.C11
Gene No.	36006	Strand	-
Start	1902	End	2058
Name	OJ990517_03.9C03.C11.o2.gp	Method	AAT/GAP
Start	1902	End	2058
GI	1037056	Score	269
Exons	1902..2058		

Seq. No.	17116	Seq. ID	OJ990517_03.9C03.C11
Gene No.	36007	Strand	-
Start	5908	End	6322
Name	OJ990517_03.9C03.C11.o1.np	Method	AAT/NAP
Start	5908	End	6322
GI	6539570	Score	142
Exons	5908..5974, 6111..6322		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.gs	Method	GENSCAN
Start	1023	End	7806
GI	none	Score	.4
Exons	1023..1064, 1379..1678, 1683..1842, 1944..2116, 2148..2281, 4035..4098, 4981..5068, 5140..6598, 7200..7806		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.np	Method	AAT/NAP
Start	1298	End	2297
GI	5922620	Score	108
Exons	1298..1387, 1517..1847, 1958..2297		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o2.np	Method	AAT/NAP
Start	3559	End	6500
GI	3645898	Score	583
Exons	3559..3585, 4847..6200, 6286..6500		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571

Name	OJ990517_03.9C03.C12.o3.np	Method	AAT/NAP
Start	4759	End	6937
GI	4416301	Score	531
Exons	4759..5615, 5649..6305, 6774..6937		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o4.tm	Method	TBLASTX:Maize
Start	5193	End	5441
GI	none	Score	194
Exons	5193..5441		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o3.tm	Method	TBLASTX:Maize
Start	6806	End	7146
GI	none	Score	86
Exons	6806..6880, 6807..6878, 6892..7131, 6904..7146, 7008..7145		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o4.np	Method	AAT/NAP
Start	6895	End	8571
GI	3645899	Score	1760
Exons	6895..8571		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	6925	End	7224
GI	none	Score	212
Exons	6925..7224, 6930..6959, 7014..7139		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	7147	End	7542
GI	none	Score	140
Exons	7147..7275, 7155..7262, 7266..7541, 7270..7542		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	7306	End	7878
GI	none	Score	274
Exons	7306..7554, 7314..7538, 7476..7583, 7478..7606, 7565..7609, 7590..7877, 7594..7878		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12

Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o2.ts	Method	TBLASTX:Soybean
Start	7423	End	7686
GI	none	Score	181
Exons	7423..7686		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	7543	End	8334
GI	none	Score	111
Exons	7543..7614, 7548..8288, 7615..8334, 8292..8333		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	7723	End	8184
GI	none	Score	303
Exons	7723..8184, 7743..8033		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o1.tc	Method	TBLASTX:Cress
Start	7759	End	8181
GI	none	Score	218
Exons	7759..8181		

Seq. No.	17117	Seq. ID	OJ990517_03.9C03.C12
Gene No.	36008	Strand	+
Start	1023	End	8571
Name	OJ990517_03.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	7966	End	8310
GI	none	Score	133
Exons	7966..8055, 7968..8042, 8044..8208, 8055..8204, 8230..8310		

Seq. No.	17118	Seq. ID	OJ990517_03.9C03.C14
Gene No.	36009	Strand	-
Start	297	End	636
Name	OJ990517_03.9C03.C14.o1.gs	Method	GENSCAN
Start	297	End	636
GI	none	Score	.65
Exons	297..375, 568..636		

Seq. No.	17119	Seq. ID	OJ990517_03.9C03.C15
Gene No.	36010	Strand	-
Start	559	End	868
Name	OJ990517_03.9C03.C15.o1.gs	Method	GENSCAN
Start	559	End	868
GI	none	Score	.55
Exons	559..747, 791..868		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36011	Strand	+

Start	1377	End	2318
Name	OJ990517_03.9C03.C16.o1.gs	Method	GENSCAN
Start	1377	End	2318
GI	none	Score	1
Exons	1377..2318		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36011	Strand	+
Start	1377	End	2318
Name	OJ990517_03.9C03.C16.o1.np	Method	AAT/NAP
Start	1383	End	2315
GI	2501578	Score	1315
Exons	1383..2315		
GI Descrip.	ETHYLENE-INDUCIBLE PROTEIN HEVER gi|2129913|pir||S60047 ethylene-responsive protein 1 - Para rubber tree gi|1209317 (M88254) ethylene-inducible protein [Hevea brasiliensis]		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36012	Strand	+
Start	4470	End	5285
Name	OJ990517_03.9C03.C16.o2.np	Method	AAT/NAP
Start	4470	End	5285
GI	6721547	Score	86
Exons	4470..4575, 5236..5285		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36013	Strand	-
Start	1847	End	2469
Name	OJ990517_03.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	1374	End	2318
GI	none	Score	54
Exons	1374..1415, 1436..2281, 1437..2285, 1947..2306, 2179..2286, 2289..2318		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36013	Strand	-
Start	1847	End	2469
Name	OJ990517_03.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	1376	End	2285
GI	none	Score	1245
Exons	1376..2281, 1377..2285		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36013	Strand	-
Start	1847	End	2469
Name	OJ990517_03.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	1386	End	2285
GI	none	Score	1236
Exons	1386..2285, 1448..1708, 1775..2275		

Seq. No.	17120	Seq. ID	OJ990517_03.9C03.C16
Gene No.	36013	Strand	-
Start	1847	End	2469
Name	OJ990517_03.9C03.C16.o1.gp	Method	AAT/GAP
Start	1847	End	2469
GI	3193_4.R1084	Score	1092

Exons	1847..2469
GI Descrip.	'2501578/sp|Q39963|ER1_HEVBR 2.0e-52 ETHYLENE-INDUCIBLE PROTEIN HEVER >gi_2129913_pir__S60047 ethylene-responsive protein 1 - Para rubber tree >gi_1209317 (M88254) ethylene-inducible protein [Hevea brasiliensis]'

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36014	Strand	+
Start	1834	End	2447
Name	OJ990517_03.9C03.C17.o1.gs	Method	GENSCAN
Start	1834	End	2447
GI	none	Score	.74
Exons	1834..2141, 2168..2447		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o1.np	Method	AAT/NAP
Start	5514	End	7636
GI	3386604	Score	557
Exons	5514..5717, 5787..6442, 6821..7366, 7538..7636		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o2.tc	Method	TBLASTX:Cress
Start	5520	End	6085
GI	none	Score	81
Exons	5520..5570, 5562..5663, 5771..5812, 5882..6010, 6020..6085		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	5524	End	6312
GI	none	Score	53
Exons	5524..5568, 5526..5570, 5541..5663, 5560..5685, 5579..5680, 5763..5804, 5771..5815, 5825..5863, 5882..5995, 5882..6109, 5889..6110, 6050..6115, 6119..6301, 6123..6296, 6155..6301, 6193..6312		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o2.gs	Method	GENSCAN
Start	5723	End	12387
GI	none	Score	.64
Exons	5723..6442, 6821..7028, 7065..7366, 7538..7660, 7756..8194, 10243..10352, 10393..10421, 10465..10583, 10743..10918, 12214..12387		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	5882	End	6445

GI	none	Score	64
Exons	5882..6109, 5889..6110, 6095..6445, 6096..6416		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o2.np	Method	AAT/NAP
Start	5973	End	11013
GI	3386604	Score	562
Exons	5973..6442, 6821..7366, 7538..7995, 10239..10352, 10465..10583, 10743..11013		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	6146	End	6419
GI	none	Score	69
Exons	6146..6295, 6146..6418, 6177..6419		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	6179	End	6442
GI	none	Score	95
Exons	6179..6442, 6180..6422		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o2.tm	Method	TBLASTX:Maize
Start	6818	End	7267
GI	none	Score	261
Exons	6818..7267, 6819..7064, 6820..7263, 7128..7265		

Seq. No.	17121	Seq. ID	OJ990517_03.9C03.C17
Gene No.	36015	Strand	-
Start	5723	End	12387
Name	OJ990517_03.9C03.C17.o3.tm	Method	TBLASTX:Maize
Start	10489	End	10890
GI	none	Score	109
Exons	10489..10584, 10490..10582, 10742..10882, 10744..10890, 10744..10872		

Seq. No.	17122	Seq. ID	OJ990517_03.9C03.C18
Gene No.	36016	Strand	-
Start	402	End	751
Name	OJ990517_03.9C03.C18.o1.gs	Method	GENSCAN
Start	402	End	751
GI	none	Score	.4
Exons	402..751		

Seq. No.	17123	Seq. ID	OJ990517_03.9C03.C19
Gene No.	36017	Strand	+
Start	236	End	1327

Name	OJ990517_03.9C03.C19.o1.gs	Method	GENSCAN
Start	236	End	1097
GI	none	Score	.58
Exons	236..310, 781..1097		

Seq. No.	17123	Seq. ID	OJ990517_03.9C03.C19
Gene No.	36017	Strand	+
Start	236	End	1327
Name	OJ990517_03.9C03.C19.o1.np	Method	AAT/NAP
Start	755	End	1327
GI	6539570	Score	169
Exons	755..861, 995..1089, 1240..1327		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36018	Strand	+
Start	1141	End	7404
Name	OJ990517_03.9C03.C25.o1.gp	Method	AAT/GAP
Start	1141	End	7404
GI	11732_1.R1084	Score	3122
Exons	1141..1476, 6047..6123, 6215..7404		
GI Descrip.	'4101703 1.0e-103 (AF006078) glucose acyltransferase [Solanum berthaultii]'		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36018	Strand	+
Start	1141	End	7404
Name	OJ990517_03.9C03.C25.o1.gs	Method	GENSCAN
Start	1160	End	2449
GI	none	Score	.73
Exons	1160..1286, 1303..1476, 2424..2449		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36018	Strand	+
Start	1141	End	7404
Name	OJ990517_03.9C03.C25.o1.np	Method	AAT/NAP
Start	1176	End	7216
GI	6598856	Score	905
Exons	1176..1476, 6047..6123, 6215..6721, 6779..7216		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36018	Strand	+
Start	1141	End	7404
Name	OJ990517_03.9C03.C25.o3.gs	Method	GENSCAN
Start	6007	End	7222
GI	none	Score	.97
Exons	6007..6123, 6215..7222		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36019	Strand	+
Start	9762	End	10317
Name	OJ990517_03.9C03.C25.o2.np	Method	AAT/NAP
Start	9762	End	10317
GI	6539553	Score	617
Exons	9762..10034, 10069..10317		

GI Descrip. (AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36020	Strand	+
Start	11096	End	16743
Name	OJ990517_03.9C03.C25.o4.gs	Method	GENSCAN
Start	11096	End	12567
GI	none	Score	.58
Exons	11096..11291, 11433..11627, 11887..11903, 11969..12085, 12331..12567		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36020	Strand	+
Start	11096	End	16743
Name	OJ990517_03.9C03.C25.o3.np	Method	AAT/NAP
Start	11861	End	16743
GI	6539553	Score	933
Exons	11861..12590, 16705..16743		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36020	Strand	+
Start	11096	End	16743
Name	OJ990517_03.9C03.C25.o4.np	Method	AAT/NAP
Start	13863	End	16739
GI	6598853	Score	847
Exons	13863..13939, 14370..14874, 14935..15103, 15196..15279, 15379..15447, 15773..15844, 15968..16200, 16306..16351, 16659..16739		
GI Descrip.	(AC010556) putative serine carboxypeptidase [Arabidopsis thaliana]		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36020	Strand	+
Start	11096	End	16743
Name	OJ990517_03.9C03.C25.o5.gs	Method	GENSCAN
Start	14260	End	16351
GI	none	Score	.8
Exons	14260..14925, 15002..15166, 15379..15474, 15773..15844, 15968..16200, 16306..16351		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o4.tw	Method	TBLASTX:Wheat
Start	1269	End	14589
GI	none	Score	203
Exons	1269..1478, 1329..1409, 1385..1477, 14386..14589, 14389..14583, 14397..14588		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25

Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o2.ts	Method	TBLASTX:Soybean
Start	1272	End	16006
GI	none	Score	232
Exons	1272..1496, 1292..1336, 1330..1395, 1379..1477, 14386..14601, 14397..14591, 14620..14691, 15782..15844, 15965..16006		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o1.tc	Method	TBLASTX:Cress
Start	1275	End	15103
GI	none	Score	192
Exons	1275..1478, 1385..1477, 6046..6126, 6214..6264, 6215..6433, 6325..6414, 6431..6604, 6481..6597, 14386..14607, 14400..14606, 14620..14799, 14664..14795, 14800..14877, 14984..15103		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o1.tm	Method	TBLASTX:Maize
Start	1309	End	16742
GI	none	Score	42
Exons	1309..1344, 1326..1346, 1350..1403, 1362..1403, 1400..1477, 1404..1478, 6046..6126, 6215..6436, 6235..6414, 6464..6712, 6481..6702, 6779..6883, 6895..7080, 6907..7020, 6908..7198, 7042..7188, 14416..14481, 14423..14455, 14458..14514, 14511..14603, 14515..14601, 14620..14802, 14622..14795, 14806..14871, 14808..14870, 14984..15109, 14993..15103, 15773..15838, 15965..15997, 16001..16201, 16108..16203, 16316..16351, 16658..16711, 16659..16742		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o2.gs	Method	GENSCAN
Start	4468	End	5133
GI	none	Score	.79
Exons	4468..5133		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o1.tw	Method	TBLASTX:Wheat
Start	6057	End	15097
GI	none	Score	113
Exons	6057..6125, 6058..6126, 6214..6417, 6215..6448, 6218..6442, 6440..6568, 6461..6565, 14632..14802, 14652..14783, 14806..14925, 14808..14924, 14993..15097, 15001..15084		

Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o1.ts	Method	TBLASTX:Soybean
Start	6242	End	16748
GI	none	Score	164

Exons	6242..6448, 6325..6420, 6524..6604, 6614..6703, 6770..6883, 6899..7204, 6952..7203, 14695..14793, 14806..14901, 14984..15028, 15053..15103, 16010..16201, 16063..16203, 16077..16100, 16090..16200, 16307..16351, 16652..16735, 16659..16748		
Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o2.tc	Method	TBLASTX:Cress
Start	6797	End	16754
GI	none	Score	45
Exons	6797..6862, 6854..7198, 6907..7182, 15950..16201, 16090..16209, 16307..16381, 16659..16754		
Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o2.tw	Method	TBLASTX:Wheat
Start	9746	End	10181
GI	none	Score	141
Exons	9746..10030, 9764..10030, 9783..10040, 9789..10034, 10066..10173, 10066..10161, 10071..10181, 10074..10181		
Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o3.tw	Method	TBLASTX:Wheat
Start	11855	End	12237
GI	none	Score	190
Exons	11855..12130, 11869..12156, 12117..12236, 12118..12237		
Seq. No.	17124	Seq. ID	OJ990517_03.9C03.C25
Gene No.	36021	Strand	-
Start	4468	End	16754
Name	OJ990517_03.9C03.C25.o2.tm	Method	TBLASTX:Maize
Start	11990	End	12298
GI	none	Score	129
Exons	11990..12130, 11998..12129, 12041..12130, 12127..12297, 12127..12294, 12140..12298		
Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36022	Strand	+
Start	1862	End	2438
Name	OJ990517_03.9C03.C26.o1.gp	Method	AAT/GAP
Start	1862	End	2438
GI	3826_1.R1084	Score	1121
Exons	1862..2438		
GI Descrip.	'282882/pir||S27755 6.0e-15 receptor-like protein kinase precursor - Arabidopsis thaliana >gi_166848 (M84659) receptor-like protein kinase [Arabidopsis thaliana]'		
Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o1.np	Method	AAT/NAP
Start	916	End	4524

GI	5091617	Score	690
Exons	916..1027, 2097..2730, 2764..3222, 3260..4524		
GI Descrip.	(AC007454) Contains similarity to gi|479356 protein kinase PK1 from Zea mays, is a member of the PF|00954 S-locus glycoprotein family and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o3.np	Method	AAT/NAP
Start	1808	End	4593
GI	5734709	Score	545
Exons	1808..1903, 2137..2730, 2770..3056, 3179..3720, 3786..4047, 4318..4593		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o2.gs	Method	GENSCAN
Start	2083	End	4524
GI	none	Score	1
Exons	2083..4524		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o1.tc	Method	TBLASTX:Cress
Start	2104	End	3055
GI	none	Score	89
Exons	2104..2232, 2108..2233, 2329..2460, 2399..2461, 2473..2715, 2546..2650, 2554..2664, 2755..2832, 2770..2949, 2786..2950, 2962..3054, 2963..3055		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o1.ts	Method	TBLASTX:Soybean
Start	2122	End	3060
GI	none	Score	44
Exons	2122..2229, 2389..2478, 2399..2479, 2479..2538, 2480..2521, 2522..2644, 2524..2694, 2749..3060, 2777..3043		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593
Name	OJ990517_03.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	2386	End	3015
GI	none	Score	62
Exons	2386..2466, 2470..2712, 2546..2650, 2758..2916, 2759..2917, 2932..3015, 2933..3010		

Seq. No.	17125	Seq. ID	OJ990517_03.9C03.C26
Gene No.	36023	Strand	-
Start	916	End	4593

Name	OJ990517_03.9C03.C26.o1.tw	Method	TBLASTX:Wheat
Start	2464	End	2899
GI	none	Score	84
Exons	2464..2517, 2536..2715, 2555..2647, 2767..2898, 2768..2899		

Seq. No.	17126	Seq. ID	OJ990517_03.9C03.C27
Gene No.	36024	Strand	+
Start	1002	End	2947
Name	OJ990517_03.9C03.C27.o1.np	Method	AAT/NAP
Start	1002	End	2947
GI	3236256	Score	135
Exons	1002..1228, 1880..1947, 2913..2947		
GI Descrip.	(AC004684) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	17126	Seq. ID	OJ990517_03.9C03.C27
Gene No.	36024	Strand	+
Start	1002	End	2947
Name	OJ990517_03.9C03.C27.o2.np	Method	AAT/NAP
Start	2112	End	2877
GI	4680183	Score	192
Exons	2112..2182, 2788..2877		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17127	Seq. ID	OJ990517_03.9C03.C28
Gene No.	36025	Strand	-
Start	92	End	726
Name	OJ990517_03.9C03.C28.o1.gs	Method	GENSCAN
Start	92	End	726
GI	none	Score	.89
Exons	92..520, 613..726		

Seq. No.	17128	Seq. ID	OJ990517_03.9C03.C29
Gene No.	36026	Strand	+
Start	151	End	408
Name	OJ990517_03.9C03.C29.o1.gs	Method	GENSCAN
Start	151	End	408
GI	none	Score	.83
Exons	151..408		

Seq. No.	17129	Seq. ID	OJ990517_03.9C03.C32
Gene No.	36027	Strand	+
Start	115	End	231
Name	OJ990517_03.9C03.C32.o1.gs	Method	GENSCAN
Start	115	End	231
GI	none	Score	.47
Exons	115..231		

Seq. No.	17130	Seq. ID	OJ990517_03.9C03.C34
Gene No.	36028	Strand	+
Start	65	End	189
Name	OJ990517_03.9C03.C34.o1.gs	Method	GENSCAN
Start	65	End	189
GI	none	Score	.81
Exons	65..189		

Seq. No.	17131	Seq. ID	OJ990517_03.9C03.C36

Gene No.	36029	Strand	-
Start	60	End	245
Name	OJ990517_03.9C03.C36.o1.gs	Method	GENSCAN
Start	60	End	245
GI	none	Score	1
Exons	60..245		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36030	Strand	+
Start	4516	End	5494
Name	OJ990517_03.9C03.C37.o2.gs	Method	GENSCAN
Start	4516	End	5494
GI	none	Score	.95
Exons	4516..4601, 4637..4911, 5220..5494		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36031	Strand	-
Start	1	End	3054
Name	OJ990517_03.9C03.C37.o1.np	Method	AAT/NAP
Start	1	End	3054
GI	5902445	Score	638
Exons	1..108, 1722..1806, 1866..3054		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36031	Strand	-
Start	1	End	3054
Name	OJ990517_03.9C03.C37.o1.gs	Method	GENSCAN
Start	211	End	2763
GI	none	Score	.48
Exons	211..447, 848..948, 1445..1533, 1572..1658, 1969..2077, 2277..2763		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	2014	End	2484
GI	none	Score	55
Exons	2014..2160, 2016..2201, 2239..2484, 2246..2449		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o2.tw	Method	TBLASTX:Wheat
Start	2100	End	2481
GI	none	Score	189
Exons	2100..2201, 2239..2481		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	2169	End	2631
GI	none	Score	68
Exons	2169..2228, 2170..2229, 2173..2631, 2174..2482, 2239..2484, 2382..2630, 2542..2631		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o1.tw	Method	TBLASTX:Wheat
Start	2500	End	2907
GI	none	Score	76
Exons	2500..2907, 2502..2639, 2576..2890		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o2.tm	Method	TBLASTX:Maize
Start	2632	End	2847
GI	none	Score	86
Exons	2632..2844, 2632..2847, 2633..2845		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o3.gs	Method	GENSCAN
Start	6323	End	10329
GI	none	Score	.75
Exons	6323..6386, 6435..6510, 6732..6798, 7021..7071, 7363..7643, 7716..8207, 8951..9063, 9665..9868, 10247..10329		

Seq. No.	17132	Seq. ID	OJ990517_03.9C03.C37
Gene No.	36032	Strand	-
Start	6323	End	10329
Name	OJ990517_03.9C03.C37.o2.ts	Method	TBLASTX:Soybean
Start	7567	End	7929
GI	none	Score	185
Exons	7567..7929		

Seq. No.	17133	Seq. ID	OJ990517_03.9C03.C39
Gene No.	36033	Strand	-
Start	338	End	513
Name	OJ990517_03.9C03.C39.o1.gs	Method	GENSCAN
Start	338	End	513
GI	none	Score	.67
Exons	338..513		

Seq. No.	17134	Seq. ID	OJ990517_03.9C03.C42
Gene No.	36034	Strand	-
Start	1	End	283
Name	OJ990517_03.9C03.C42.o1.np	Method	AAT/NAP
Start	1	End	283
GI	6539553	Score	260
Exons	1..283		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	17134	Seq. ID	OJ990517_03.9C03.C42
Gene No.	36034	Strand	-
Start	1	End	283

Name	OJ990517_03.9C03.C42.o1.tw	Method	TBLASTX:Wheat
Start	2	End	270
GI	none	Score	62
Exons	2..145, 2..97, 4..144, 141..227, 142..270, 142..252		

Seq. No.	17135	Seq. ID	OJ990517_03.9C03.C43
Gene No.	36035	Strand	-
Start	118	End	599
Name	OJ990517_03.9C03.C43.o1.gs	Method	GENSCAN
Start	118	End	599
GI	none	Score	.76
Exons	118..275, 572..599		

Seq. No.	17136	Seq. ID	OJ990517_03.9C03.C47
Gene No.	36036	Strand	+
Start	394	End	652
Name	OJ990517_03.9C03.C47.o1.gp	Method	AAT/GAP
Start	394	End	652
GI	none	Score	365
Exons	394..652		

Seq. No.	17136	Seq. ID	OJ990517_03.9C03.C47
Gene No.	36037	Strand	-
Start	362	End	628
Name	OJ990517_03.9C03.C47.o1.gs	Method	GENSCAN
Start	362	End	628
GI	none	Score	.95
Exons	362..628		

Seq. No.	17136	Seq. ID	OJ990517_03.9C03.C47
Gene No.	36037	Strand	-
Start	362	End	628
Name	OJ990517_03.9C03.C47.o1.tm	Method	TBLASTX:Maize
Start	410	End	583
GI	none	Score	140
Exons	410..583, 444..581, 445..582		

Seq. No.	17137	Seq. ID	OJ990517_03.9C03.C48
Gene No.	36038	Strand	+
Start	1	End	307
Name	OJ990517_03.9C03.C48.o1.np	Method	AAT/NAP
Start	1	End	307
GI	6539553	Score	308
Exons	1..307		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	17137	Seq. ID	OJ990517_03.9C03.C48
Gene No.	36039	Strand	-
Start	208	End	365
Name	OJ990517_03.9C03.C48.o1.gs	Method	GENSCAN
Start	208	End	365
GI	none	Score	.7
Exons	208..365		

Seq. No.	17138	Seq. ID	OJ990517_03.9C03.C50
Gene No.	36040	Strand	-
Start	1	End	164
Name	OJ990517_03.9C03.C50.o1.np	Method	AAT/NAP
Start	1	End	164
GI	6721547	Score	106
Exons	1..164		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	17138	Seq. ID	OJ990517_03.9C03.C50
Gene No.	36041	Strand	-
Start	96	End	185
Name	OJ990517_03.9C03.C50.o1.gs	Method	GENSCAN
Start	96	End	185
GI	none	Score	.48
Exons	96..185		

Seq. No.	17139	Seq. ID	OJ990517_03.9C03.C52
Gene No.	36042	Strand	-
Start	268	End	514
Name	OJ990517_03.9C03.C52.o1.gs	Method	GENSCAN
Start	268	End	514
GI	none	Score	.56
Exons	268..514		

Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.np	Method	AAT/NAP
Start	1	End	663
GI	6685161	Score	363
Exons	1..172, 281..352, 526..663		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.tm	Method	TBLASTX:Maize
Start	1	End	672
GI	none	Score	257
Exons	1..168, 2..172, 272..352, 280..351, 525..665, 526..672		

Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.tw	Method	TBLASTX:Wheat
Start	5	End	361
GI	none	Score	152
Exons	5..175, 7..144, 283..354, 284..361		

Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.tc	Method	TBLASTX:Cress
Start	17	End	663
GI	none	Score	148

Exons	17..175, 17..166, 19..174, 272..361, 283..360, 526..582, 586..615, 613..663		
Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.gs	Method	GENSCAN
Start	57	End	690
GI	none	Score	.87
Exons	57..172, 281..352, 526..690		
Seq. No.	17140	Seq. ID	OJ990517_03.9C03.C55
Gene No.	36043	Strand	+
Start	1	End	697
Name	OJ990517_03.9C03.C55.o1.gp	Method	AAT/GAP
Start	86	End	697
GI	426935	Score	563
Exons	86..171, 281..352, 526..697		
GI Descrip.	6094303/sp|P56707|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]		
Seq. No.	17141	Seq. ID	OJ990517_03.9C03.C59
Gene No.	36044	Strand	-
Start	515	End	619
Name	OJ990517_03.9C03.C59.o1.gs	Method	GENSCAN
Start	515	End	619
GI	none	Score	.75
Exons	515..619		
Seq. No.	17142	Seq. ID	OJ990517_03.9C03.C61
Gene No.	36045	Strand	-
Start	1	End	150
Name	OJ990517_03.9C03.C61.o1.gp	Method	AAT/GAP
Start	1	End	150
GI	none	Score	284
Exons	1..150		
Seq. No.	17143	Seq. ID	OJ990517_03.9C03.C62
Gene No.	36046	Strand	-
Start	512	End	637
Name	OJ990517_03.9C03.C62.o1.gs	Method	GENSCAN
Start	512	End	637
GI	none	Score	.64
Exons	512..637		
Seq. No.	17144	Seq. ID	OJ990517_03.9C03.C63
Gene No.	36047	Strand	-
Start	1	End	370
Name	OJ990517_03.9C03.C63.o1.np	Method	AAT/NAP
Start	1	End	370
GI	2443255	Score	165
Exons	1..215, 249..370		
GI Descrip.	(D86417) YfmL [Bacillus subtilis] gi|2633067|emb|CAB12572| (Z99108) similar to RNA helicase [Bacillus subtilis]		

Seq. No.	17144	Seq. ID	OJ990517_03.9C03.C63
Gene No.	36047	Strand	-
Start	1	End	370
Name	OJ990517_03.9C03.C63.o1.ts	Method	TBLASTX:Soybean
Start	1	End	225
GI	none	Score	237
Exons	1..225, 5..220		

Seq. No.	17144	Seq. ID	OJ990517_03.9C03.C63
Gene No.	36047	Strand	-
Start	1	End	370
Name	OJ990517_03.9C03.C63.o1.tm	Method	TBLASTX:Maize
Start	1	End	370
GI	none	Score	147
Exons	1..96, 2..97, 9..125, 95..370, 100..369		

Seq. No.	17144	Seq. ID	OJ990517_03.9C03.C63
Gene No.	36047	Strand	-
Start	1	End	370
Name	OJ990517_03.9C03.C63.o1.gs	Method	GENSCAN
Start	105	End	263
GI	none	Score	.92
Exons	105..263		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36048	Strand	+
Start	1	End	845
Name	OJ990517_03.9C03.C65.o1.np	Method	AAT/NAP
Start	1	End	842
GI	5001734	Score	1096
Exons	1..842		
GI Descrip.	(AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana] gi|6553942|gb|AAF16606.1|AC011915_9 (AC011915) very-long-chain fatty acid condensing enzyme (CUT1) [Arabidopsis thaliana]		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36048	Strand	+
Start	1	End	845
Name	OJ990517_03.9C03.C65.o1.gs	Method	GENSCAN
Start	54	End	845
GI	none	Score	1
Exons	54..845		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o1.tc	Method	TBLASTX:Cress
Start	69	End	848
GI	none	Score	1087
Exons	69..848, 71..268, 330..389, 338..841		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o2.ts	Method	TBLASTX:Soybean
Start	69	End	206

GI	none	Score	198
Exons	69..206, 71..202		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o1.tm	Method	TBLASTX:Maize
Start	89	End	815
GI	none	Score	349
Exons	89..268, 90..473, 345..413, 362..454, 479..799, 480..815		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o1.gp	Method	AAT/GAP
Start	108	End	1115
GI	3869_1.R1084	Score	1868
Exons	108..1115		
GI Descrip.	'5001734/gb|AAD37122.1|AF129511_1 1.0e-108 (AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana]'		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o1.ts	Method	TBLASTX:Soybean
Start	240	End	845
GI	none	Score	902
Exons	240..845, 344..841		

Seq. No.	17145	Seq. ID	OJ990517_03.9C03.C65
Gene No.	36049	Strand	-
Start	108	End	1115
Name	OJ990517_03.9C03.C65.o1.tw	Method	TBLASTX:Wheat
Start	608	End	827
GI	none	Score	248
Exons	608..784, 609..785, 777..827		

Seq. No.	17146	Seq. ID	OJ990517_03.9C03.C66
Gene No.	36050	Strand	-
Start	315	End	389
Name	OJ990517_03.9C03.C66.o1.gs	Method	GENSCAN
Start	315	End	389
GI	none	Score	.93
Exons	315..389		

Seq. No.	17147	Seq. ID	OJ990517_03.9C03.C69
Gene No.	36051	Strand	-
Start	1	End	688
Name	OJ990517_03.9C03.C69.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	uC-osflcyp088b12b1	Score	152
Exons	1..96		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	17147	Seq. ID	OJ990517_03.9C03.C69

Gene No.	36051	Strand	-
Start	1	End	688
Name	OJ990517_03.9C03.C69.o1.np	Method	AAT/NAP
Start	1	End	688
GI	6721561	Score	89
Exons	1..142, 608..688		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17148	Seq. ID	OJ990517_03.9C03.C72
Gene No.	36052	Strand	+
Start	105	End	674
Name	OJ990517_03.9C03.C72.o1.gs	Method	GENSCAN
Start	105	End	674
GI	none	Score	.61
Exons	105..155, 545..674		

Seq. No.	17149	Seq. ID	OJ990517_03.9C03.C73
Gene No.	36053	Strand	-
Start	515	End	565
Name	OJ990517_03.9C03.C73.o1.gs	Method	GENSCAN
Start	515	End	565
GI	none	Score	.74
Exons	515..565		

Seq. No.	17150	Seq. ID	OJ990517_03.9C03.C74
Gene No.	36054	Strand	-
Start	1	End	258
Name	OJ990517_03.9C03.C74.o1.gp	Method	AAT/GAP
Start	1	End	258
GI	none	Score	223
Exons	1..79, 176..258		

Seq. No.	17150	Seq. ID	OJ990517_03.9C03.C74
Gene No.	36054	Strand	-
Start	1	End	258
Name	OJ990517_03.9C03.C74.o1.tm	Method	TBLASTX:Maize
Start	14	End	248
GI	none	Score	92
Exons	14..79, 21..80, 159..230, 176..247, 177..248		

Seq. No.	17151	Seq. ID	OJ990517_03.9C03.C76
Gene No.	36055	Strand	+
Start	163	End	298
Name	OJ990517_03.9C03.C76.o1.gs	Method	GENSCAN
Start	163	End	298
GI	none	Score	.92
Exons	163..298		

Seq. No.	17152	Seq. ID	OJ990517_03.9C03.C81
Gene No.	36056	Strand	-
Start	1	End	400
Name	OJ990517_03.9C03.C81.o1.np	Method	AAT/NAP
Start	1	End	397

GI	6685161	Score	140
Exons	1..24, 227..397		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	17152	Seq. ID	OJ990517_03.9C03.C81
Gene No.	36056	Strand	-
Start	1	End	400
Name	OJ990517_03.9C03.C81.o1.gs	Method	GENSCAN
Start	173	End	382
GI	none	Score	.69
Exons	173..194, 227..382		

Seq. No.	17152	Seq. ID	OJ990517_03.9C03.C81
Gene No.	36056	Strand	-
Start	1	End	400
Name	OJ990517_03.9C03.C81.o1.tm	Method	TBLASTX:Maize
Start	222	End	397
GI	none	Score	158
Exons	222..278, 224..397, 227..346		

Seq. No.	17152	Seq. ID	OJ990517_03.9C03.C81
Gene No.	36056	Strand	-
Start	1	End	400
Name	OJ990517_03.9C03.C81.o1.tc	Method	TBLASTX:Cress
Start	224	End	400
GI	none	Score	86
Exons	224..400, 233..346		

Seq. No.	17152	Seq. ID	OJ990517_03.9C03.C81
Gene No.	36056	Strand	-
Start	1	End	400
Name	OJ990517_03.9C03.C81.o1.ts	Method	TBLASTX:Soybean
Start	224	End	370
GI	none	Score	100
Exons	224..370, 225..350		

Seq. No.	17153	Seq. ID	OJ990517_03.9C03.C82
Gene No.	36057	Strand	-
Start	301	End	450
Name	OJ990517_03.9C03.C82.o1.gs	Method	GENSCAN
Start	301	End	450
GI	none	Score	.55
Exons	301..450		

Seq. No.	17154	Seq. ID	OJ990517_03.9C03.C83
Gene No.	36058	Strand	+
Start	147	End	327
Name	OJ990517_03.9C03.C83.o1.gs	Method	GENSCAN
Start	147	End	327
GI	none	Score	.99
Exons	147..327		

Seq. No.	17155	Seq. ID	OJ990517_03.9C03.C87
Gene No.	36059	Strand	-
Start	119	End	606
Name	OJ990517_03.9C03.C87.o1.gs	Method	GENSCAN

Start	119	End	606
GI	none	Score	.73
Exons	119..319, 324..606		

Seq. No.	17156	Seq. ID	OJ990517_03.9C03.C88
Gene No.	36060	Strand	+
Start	238	End	351
Name	OJ990517_03.9C03.C88.o1.gs	Method	GENSCAN
Start	238	End	351
GI	none	Score	.5
Exons	238..351		

Seq. No.	17157	Seq. ID	OJ990517_03.9C03.C90
Gene No.	36061	Strand	-
Start	705	End	873
Name	OJ990517_03.9C03.C90.o1.gs	Method	GENSCAN
Start	705	End	873
GI	none	Score	.6
Exons	705..873		

Seq. No.	17158	Seq. ID	OJ990517_03.9C03.C91
Gene No.	36062	Strand	+
Start	1	End	401
Name	OJ990517_03.9C03.C91.o1.np	Method	AAT/NAP
Start	1	End	401
GI	4582459	Score	151
Exons	1..166, 195..401		
GI Descrip.	(AC007071) putative importin (nuclear transport factor) protein [Arabidopsis thaliana]		

Seq. No.	17158	Seq. ID	OJ990517_03.9C03.C91
Gene No.	36063	Strand	-
Start	236	End	341
Name	OJ990517_03.9C03.C91.o1.tc	Method	TBLASTX:Cress
Start	46	End	341
GI	none	Score	98
Exons	46..129, 57..161, 120..173, 243..341		

Seq. No.	17158	Seq. ID	OJ990517_03.9C03.C91
Gene No.	36063	Strand	-
Start	236	End	341
Name	OJ990517_03.9C03.C91.o1.gs	Method	GENSCAN
Start	236	End	289
GI	none	Score	.9
Exons	236..289		

Seq. No.	17159	Seq. ID	OJ990707_03.9C10.C1
Gene No.	36064	Strand	+
Start	272	End	384
Name	OJ990707_03.9C10.C1.o1.gs	Method	GENSCAN
Start	272	End	384
GI	none	Score	.76
Exons	272..384		

Seq. No.	17160	Seq. ID	OJ990707_03.9C10.C2
Gene No.	36065	Strand	-
Start	1	End	643

Name	OJ990707_03.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	643
GI	5091513	Score	789
Exons	1..643		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17160	Seq. ID	OJ990707_03.9C10.C2
Gene No.	36065	Strand	-
Start	1	End	643
Name	OJ990707_03.9C10.C2.o1.gs	Method	GENSCAN
Start	286	End	549
GI	none	Score	.99
Exons	286..549		

Seq. No.	17161	Seq. ID	OJ990707_03.9C10.C3
Gene No.	36066	Strand	+
Start	342	End	1300
Name	OJ990707_03.9C10.C3.o1.gs	Method	GENSCAN
Start	342	End	1300
GI	none	Score	.96
Exons	342..649, 1116..1300		

Seq. No.	17162	Seq. ID	OJ990707_03.9C10.C4
Gene No.	36067	Strand	-
Start	76	End	2419
Name	OJ990707_03.9C10.C4.o1.gs	Method	GENSCAN
Start	76	End	2309
GI	none	Score	.48
Exons	76..264, 1041..1152, 1238..1742, 1870..1963, 2115..2309		

Seq. No.	17162	Seq. ID	OJ990707_03.9C10.C4
Gene No.	36067	Strand	-
Start	76	End	2419
Name	OJ990707_03.9C10.C4.o1.np	Method	AAT/NAP
Start	1708	End	2419
GI	4680204	Score	152
Exons	1708..2419		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36068	Strand	+
Start	91	End	12659
Name	OJ990707_03.9C10.C5.o1.np	Method	AAT/NAP
Start	91	End	12659
GI	5852180	Score	715
Exons	91..122, 4648..4700, 5690..5807, 5859..6273, 6979..7020, 12632..12659		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36068	Strand	+
Start	91	End	12659
Name	OJ990707_03.9C10.C5.o3.gs	Method	GENSCAN
Start	4895	End	6325
GI	none	Score	.72
Exons	4895..5031, 5695..6325		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36069	Strand	-
Start	1943	End	3292
Name	OJ990707_03.9C10.C5.o2.gs	Method	GENSCAN
Start	1943	End	3292
GI	none	Score	.86
Exons	1943..3292		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36070	Strand	-
Start	4550	End	4935
Name	OJ990707_03.9C10.C5.o1.gp	Method	AAT/GAP
Start	4550	End	4935
GI	uC-osf1cyp033a04b1	Score	633
Exons	4550..4935		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o4.tm	Method	TBLASTX:Maize
Start	2531	End	2830
GI	none	Score	75
Exons	2531..2830, 2727..2816		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o3.tw	Method	TBLASTX:Wheat
Start	2711	End	3070
GI	none	Score	159
Exons	2711..3070, 2715..3068		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o4.gs	Method	GENSCAN
Start	7004	End	12431
GI	none	Score	.68
Exons	7004..7786, 7877..8081, 8813..9109, 9821..11411, 11557..11740, 11800..11921, 12285..12431		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o2.np	Method	AAT/NAP
Start	9880	End	12659
GI	4680203	Score	1567
Exons	9880..10731, 11008..11232, 11389..12659		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o3.ts	Method	TBLASTX:Soybean
Start	9925	End	10137

GI	none	Score	90
Exons	9925..10137, 9979..10137		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	9985	End	11118
GI	none	Score	58
Exons	9985..10086, 9992..10084, 10088..10207, 10117..10218, 10195..10383, 10211..10393, 10402..11118, 10490..11065		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	10219	End	10509
GI	none	Score	104
Exons	10219..10326, 10220..10327, 10339..10509, 10345..10461		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	10402	End	10827
GI	none	Score	128
Exons	10402..10827, 10490..10819		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	10759	End	11142
GI	none	Score	266
Exons	10759..11073, 10760..11074, 11074..11142		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o4.tw	Method	TBLASTX:Wheat
Start	11851	End	12034
GI	none	Score	108
Exons	11851..12033, 11897..12034		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	11938	End	12270
GI	none	Score	69
Exons	11938..12270, 11993..12094, 12134..12184		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	11959	End	12174

GI	none	Score	191
Exons	11959..12174, 11969..12160, 12006..12164		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	12019	End	12294
GI	none	Score	116
Exons	12019..12294, 12020..12259		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	12034	End	12627
GI	none	Score	63
Exons	12034..12159, 12035..12142, 12163..12279, 12178..12276, 12335..12469, 12337..12627, 12448..12579		

Seq. No.	17163	Seq. ID	OJ990707_03.9C10.C5
Gene No.	36071	Strand	-
Start	7004	End	12659
Name	OJ990707_03.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	12337	End	12609
GI	none	Score	94
Exons	12337..12609, 12344..12592		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36072	Strand	+
Start	5821	End	8116
Name	OJ990707_03.9C10.C6.o2.gs	Method	GENSCAN
Start	5821	End	8116
GI	none	Score	.74
Exons	5821..6341, 6435..6658, 6743..6938, 6965..7392, 7463..7728, 7826..8116		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36073	Strand	+
Start	9522	End	13621
Name	OJ990707_03.9C10.C6.o3.gs	Method	GENSCAN
Start	9522	End	10838
GI	none	Score	.63
Exons	9522..9545, 9597..9797, 10437..10520, 10650..10838		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36073	Strand	+
Start	9522	End	13621
Name	OJ990707_03.9C10.C6.o3.np	Method	AAT/NAP
Start	10570	End	13459
GI	5922620	Score	269
Exons	10570..10720, 11088..11167, 11758..11976, 12609..12772, 13286..13459		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36073	Strand	+
Start	9522	End	13621
Name	OJ990707_03.9C10.C6.o4.gs	Method	GENSCAN
Start	13268	End	13621
GI	none	Score	.88
Exons	13268..13328, 13605..13621		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36074	Strand	-
Start	1	End	5036
Name	OJ990707_03.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	5036
GI	3738337	Score	537
Exons	1..22, 1790..3172, 4993..5036		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36075	Strand	-
Start	10431	End	11775
Name	OJ990707_03.9C10.C6.o2.np	Method	AAT/NAP
Start	10431	End	11775
GI	6630699	Score	80
Exons	10431..10514, 11717..11775		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	733	End	1065
GI	none	Score	102
Exons	733..771, 772..873, 869..1057, 878..1009, 883..1065		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	1142	End	1512
GI	none	Score	69
Exons	1142..1267, 1144..1431, 1144..1512		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	1237	End	1716
GI	none	Score	73
Exons	1237..1323, 1336..1620, 1490..1666, 1690..1716		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-

Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	1805	End	2199
GI	none	Score	107
Exons	1805..1975, 1962..2189, 1978..2199		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	1805	End	2165
GI	none	Score	143
Exons	1805..1948, 1965..2165		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	1918	End	2880
GI	none	Score	87
Exons	1918..2193, 1965..2273, 2252..2410, 2271..2396, 2410..2880, 2420..2524, 2599..2841, 2663..2857		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o4.tw	Method	TBLASTX:Wheat
Start	2172	End	7973
GI	none	Score	48
Exons	2172..2252, 2264..2395, 2271..2378, 2405..2515, 2416..2517, 7905..7973		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	2518	End	2814
GI	none	Score	160
Exons	2518..2814, 2588..2794		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o4.tm	Method	TBLASTX:Maize
Start	2965	End	3156
GI	none	Score	109
Exons	2965..3156, 2972..3139		

Seq. No.	17164	Seq. ID	OJ990707_03.9C10.C6
Gene No.	36076	Strand	-
Start	13599	End	13678
Name	OJ990707_03.9C10.C6.o4.np	Method	AAT/NAP
Start	13599	End	13678
GI	6630699	Score	93
Exons	13599..13678		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein		

[Oryza sativa]

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36077	Strand	+
Start	3801	End	4977
Name	OJ990707_03.9C10.C7.o3.gs	Method	GENSCAN
Start	3801	End	4977
GI	none	Score	.71
Exons	3801..3913, 4348..4449, 4542..4633, 4679..4977		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36078	Strand	+
Start	5550	End	7611
Name	OJ990707_03.9C10.C7.o3.np	Method	AAT/NAP
Start	5550	End	7611
GI	6721561	Score	138
Exons	5550..5639, 7590..7611		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36079	Strand	+
Start	12959	End	14880
Name	OJ990707_03.9C10.C7.o6.gs	Method	GENSCAN
Start	12959	End	14880
GI	none	Score	.66
Exons	12959..13384, 13997..14093, 14743..14880		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36080	Strand	-
Start	959	End	10480
Name	OJ990707_03.9C10.C7.o1.np	Method	AAT/NAP
Start	959	End	5852
GI	4378066	Score	1510
Exons	959..3111, 5800..5852		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36080	Strand	-
Start	959	End	10480
Name	OJ990707_03.9C10.C7.o2.gs	Method	GENSCAN
Start	1150	End	3468
GI	none	Score	.75
Exons	1150..1752, 1849..2040, 2329..3021, 3151..3468		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36080	Strand	-
Start	959	End	10480
Name	OJ990707_03.9C10.C7.o2.np	Method	AAT/NAP
Start	5428	End	9478
GI	4680183	Score	122
Exons	5428..5517, 9458..9478		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36080	Strand	-
Start	959	End	10480
Name	OJ990707_03.9C10.C7.o4.gs	Method	GENSCAN
Start	6327	End	10480
GI	none	Score	.56
Exons	6327..6418, 6755..6814, 8171..8231, 9946..10092, 10352..10480		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o3.tw	Method	TBLASTX:Wheat
Start	1186	End	1563
GI	none	Score	117
Exons	1186..1311, 1396..1563		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o1.ts	Method	TBLASTX:Soybean
Start	1387	End	1737
GI	none	Score	77
Exons	1387..1737, 1595..1720		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	1489	End	1872
GI	none	Score	193
Exons	1489..1872, 1502..1831, 1600..1851		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	1612	End	2031
GI	none	Score	111
Exons	1612..2031, 1613..1825, 1756..2031		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	1900	End	2257
GI	none	Score	186
Exons	1900..2256, 1901..2257		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o2.tw	Method	TBLASTX:Wheat
Start	2032	End	10053
GI	none	Score	98
Exons	2032..2325, 2032..2385, 2033..2359, 9985..10053		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o4.tw	Method	TBLASTX:Wheat
Start	2590	End	2943
GI	none	Score	75
Exons	2590..2766, 2591..2812, 2818..2943		

Seq. No.	17165	Seq. ID	OJ990707_03.9C10.C7
Gene No.	36081	Strand	-
Start	11978	End	12225
Name	OJ990707_03.9C10.C7.o5.gs	Method	GENSCAN
Start	11978	End	12225
GI	none	Score	.87
Exons	11978..12096, 12120..12225		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36082	Strand	+
Start	5696	End	8079
Name	OJ990707_03.9C10.C8.o3.gs	Method	GENSCAN
Start	5696	End	7629
GI	none	Score	.58
Exons	5696..5725, 5778..5854, 5930..6474, 7184..7225, 7619..7629		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36082	Strand	+
Start	5696	End	8079
Name	OJ990707_03.9C10.C8.o1.np	Method	AAT/NAP
Start	5812	End	8079
GI	6721562	Score	506
Exons	5812..6576, 8054..8079		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36083	Strand	-
Start	3163	End	4849
Name	OJ990707_03.9C10.C8.o2.gs	Method	GENSCAN
Start	3163	End	4849
GI	none	Score	.6
Exons	3163..3619, 3719..3815, 3855..3989, 4568..4624, 4633..4714, 4790..4849		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36084	Strand	-
Start	9199	End	11967
Name	OJ990707_03.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	8669	End	10778
GI	none	Score	69
Exons	8669..8740, 9962..10084, 9969..10091, 9992..10102, 10444..10620, 10480..10620, 10728..10778		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8

Gene No.	36084	Strand	-
Start	9199	End	11967
Name	OJ990707_03.9C10.C8.o4.gs	Method	GENSCAN
Start	9199	End	11952
GI	none	Score	.68
Exons	9199..9475, 10725..10777, 11247..11339, 11682..11820, 11903..11952		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36084	Strand	-
Start	9199	End	11967
Name	OJ990707_03.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	11090	End	11292
GI	none	Score	134
Exons	11090..11236, 11092..11292, 11092..11235		

Seq. No.	17166	Seq. ID	OJ990707_03.9C10.C8
Gene No.	36084	Strand	-
Start	9199	End	11967
Name	OJ990707_03.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	11679	End	11967
GI	none	Score	100
Exons	11679..11822, 11682..11819, 11698..11820, 11908..11967		

Seq. No.	17167	Seq. ID	OJ990707_03.9C10.C10
Gene No.	36085	Strand	+
Start	1	End	532
Name	OJ990707_03.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	532
GI	5091513	Score	905
Exons	1..532		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17167	Seq. ID	OJ990707_03.9C10.C10
Gene No.	36085	Strand	+
Start	1	End	532
Name	OJ990707_03.9C10.C10.o1.gs	Method	GENSCAN
Start	64	End	480
GI	none	Score	.51
Exons	64..480		

Seq. No.	17168	Seq. ID	OJ990707_03.9C10.C11
Gene No.	36086	Strand	+
Start	1	End	1355
Name	OJ990707_03.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	1355
GI	6721550	Score	258
Exons	1..206, 903..1355		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	17168	Seq. ID	OJ990707_03.9C10.C11
Gene No.	36086	Strand	+
Start	1	End	1355
Name	OJ990707_03.9C10.C11.o1.gs	Method	GENSCAN
Start	70	End	412
GI	none	Score	.97
Exons	70..206, 394..412		

Seq. No.	17168	Seq. ID	OJ990707_03.9C10.C11
Gene No.	36087	Strand	-
Start	1074	End	1219
Name	OJ990707_03.9C10.C11.o2.gs	Method	GENSCAN
Start	1074	End	1219
GI	none	Score	.57
Exons	1074..1219		

Seq. No.	17169	Seq. ID	OJ990707_03.9C10.C12
Gene No.	36088	Strand	+
Start	1	End	1806
Name	OJ990707_03.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	4680207	Score	135
Exons	1..651, 1763..1806		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	17169	Seq. ID	OJ990707_03.9C10.C12
Gene No.	36088	Strand	+
Start	1	End	1806
Name	OJ990707_03.9C10.C12.o1.gs	Method	GENSCAN
Start	109	End	695
GI	none	Score	.4
Exons	109..695		

Seq. No.	17169	Seq. ID	OJ990707_03.9C10.C12
Gene No.	36089	Strand	-
Start	1907	End	3273
Name	OJ990707_03.9C10.C12.o2.gs	Method	GENSCAN
Start	1907	End	3273
GI	none	Score	.57
Exons	1907..2061, 3090..3273		

Seq. No.	17170	Seq. ID	OJ990707_03.9C10.C13
Gene No.	36090	Strand	+
Start	238	End	1212
Name	OJ990707_03.9C10.C13.o1.gs	Method	GENSCAN
Start	238	End	1212
GI	none	Score	.73
Exons	238..310, 1091..1212		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36091	Strand	+
Start	1	End	338
Name	OJ990707_03.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	338
GI	3645899	Score	310
Exons	1..338		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36092	Strand	+
Start	1563	End	4985
Name	OJ990707_03.9C10.C15.o1.gs	Method	GENSCAN
Start	1563	End	2524

GI	none	Score	.66
Exons	1563..1596, 1808..1908, 2327..2524		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36092	Strand	+
Start	1563	End	4985
Name	OJ990707_03.9C10.C15.o2.np	Method	AAT/NAP
Start	2224	End	3905
GI	6539588	Score	203
Exons	2224..2554, 3820..3905		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36092	Strand	+
Start	1563	End	4985
Name	OJ990707_03.9C10.C15.o3.np	Method	AAT/NAP
Start	3203	End	4985
GI	6063554	Score	478
Exons	3203..3452, 3570..3800, 4144..4171, 4811..4985		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36092	Strand	+
Start	1563	End	4985
Name	OJ990707_03.9C10.C15.o1.gp	Method	AAT/GAP
Start	3456	End	3800
GI	101153_1.R1084	Score	474
Exons	3456..3800		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36092	Strand	+
Start	1563	End	4985
Name	OJ990707_03.9C10.C15.o2.gp	Method	AAT/GAP
Start	3638	End	4374
GI	101153_1.R1084	Score	647
Exons	3638..3800, 4144..4374		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36093	Strand	+
Start	5422	End	5718
Name	OJ990707_03.9C10.C15.o3.gp	Method	AAT/GAP
Start	5422	End	5718
GI	61605_3.R1084	Score	431
Exons	5422..5718		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36094	Strand	+
Start	6363	End	6837
Name	OJ990707_03.9C10.C15.o3.gs	Method	GENSCAN

Start	6363	End	6837
GI	none	Score	.94
Exons	6363..6506, 6576..6719, 6781..6837		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36095	Strand	+
Start	9470	End	12346
Name	OJ990707_03.9C10.C15.o5.gs	Method	GENSCAN
Start	9470	End	12346
GI	none	Score	.66
Exons	9470..9537, 10901..11189, 12167..12346		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36096	Strand	-
Start	7721	End	8977
Name	OJ990707_03.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	2	End	320
GI	none	Score	335
Exons	2..187, 3..320, 15..305, 248..310		

Seq. No.	17171	Seq. ID	OJ990707_03.9C10.C15
Gene No.	36096	Strand	-
Start	7721	End	8977
Name	OJ990707_03.9C10.C15.o4.gs	Method	GENSCAN
Start	7721	End	8977
GI	none	Score	.68
Exons	7721..7848, 8108..8159, 8185..8380, 8802..8977		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36097	Strand	+
Start	7420	End	13653
Name	OJ990707_03.9C10.C17.o3.gs	Method	GENSCAN
Start	7420	End	12919
GI	none	Score	.87
Exons	7420..7503, 8169..8338, 9122..9370, 9963..10339, 10432..10481, 12749..12919		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36097	Strand	+
Start	7420	End	13653
Name	OJ990707_03.9C10.C17.o3.np	Method	AAT/NAP
Start	8240	End	9958
GI	6721512	Score	72
Exons	8240..8342, 9909..9958		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36097	Strand	+
Start	7420	End	13653
Name	OJ990707_03.9C10.C17.o4.np	Method	AAT/NAP
Start	10163	End	13653
GI	5257262	Score	180
Exons	10163..10481, 11863..12119, 12752..13022, 13571..13653		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-

Start	447	End	8202
Name	OJ990707_03.9C10.C17.o1.np	Method	AAT/NAP
Start	447	End	6110
GI	5091513	Score	1567
Exons	447..517, 1329..1576, 1626..2126, 2782..3683, 6079..6110		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-
Start	447	End	8202
Name	OJ990707_03.9C10.C17.o1.gs	Method	GENSCAN
Start	1001	End	3703
GI	none	Score	.54
Exons	1001..1329, 1483..1730, 1736..2095, 2964..3703		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-
Start	447	End	8202
Name	OJ990707_03.9C10.C17.o2.np	Method	AAT/NAP
Start	2209	End	8202
GI	4680207	Score	309
Exons	2209..2307, 5327..6079, 7758..7814, 8072..8202		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-
Start	447	End	8202
Name	OJ990707_03.9C10.C17.o2.gs	Method	GENSCAN
Start	4617	End	6360
GI	none	Score	.5
Exons	4617..4780, 4874..4934, 5327..6074, 6152..6360		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-
Start	447	End	8202
Name	OJ990707_03.9C10.C17.o1.gp	Method	AAT/GAP
Start	4965	End	5211
GI	3761181	Score	440
Exons	4965..5211		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	17172	Seq. ID	OJ990707_03.9C10.C17
Gene No.	36098	Strand	-
Start	447	End	8202
Name	OJ990707_03.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	5486	End	5938
GI	none	Score	138
Exons	5486..5731, 5756..5938		

Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36099	Strand	+
Start	1	End	4888
Name	OJ990707_03.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	4888
GI	5091513	Score	1170

Exons	1..79, 1589..2061, 2810..3583, 3628..3903, 4576..4888		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36099	Strand	+
Start	1	End	4888
Name	OJ990707_03.9C10.C18.o1.gp	Method	AAT/GAP
Start	478	End	726
GI	3761181	Score	401
Exons	478..726		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36099	Strand	+
Start	1	End	4888
Name	OJ990707_03.9C10.C18.o1.gs	Method	GENSCAN
Start	1033	End	4737
GI	none	Score	.56
Exons	1033..1239, 1646..1962, 2772..3411, 3514..3807, 3809..3903, 4341..4737		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36100	Strand	+
Start	7547	End	8993
Name	OJ990707_03.9C10.C18.o2.gs	Method	GENSCAN
Start	7547	End	8769
GI	none	Score	.56
Exons	7547..7604, 7842..7962, 8221..8769		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36100	Strand	+
Start	7547	End	8993
Name	OJ990707_03.9C10.C18.o2.np	Method	AAT/NAP
Start	7835	End	8993
GI	6539588	Score	176
Exons	7835..8062, 8853..8993		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36101	Strand	-
Start	2008	End	2276
Name	OJ990707_03.9C10.C18.o2.gp	Method	AAT/GAP
Start	2008	End	2276
GI	uC-osflcyp053f07a1	Score	337
Exons	2008..2276		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	17173	Seq. ID	OJ990707_03.9C10.C18
Gene No.	36102	Strand	-
Start	6244	End	6349
Name	OJ990707_03.9C10.C18.o3.gp	Method	AAT/GAP
Start	6244	End	6349
GI	5816518	Score	156
Exons	6244..6349		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA,		

similar sequence to Pib gene

Seq. No.	17174	Seq. ID	OJ990527_04.9C17.C1
Gene No.	36103	Strand	+
Start	47	End	206
Name	OJ990527_04.9C17.C1.o1.gs	Method	GENSCAN
Start	47	End	206
GI	none	Score	.52
Exons	47..206		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36104	Strand	+
Start	5701	End	7129
Name	OJ990527_04.9C17.C3.o3.np	Method	AAT/NAP
Start	5701	End	7129
GI	6721516	Score	169
Exons	5701..5985, 7068..7129		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36105	Strand	-
Start	1312	End	2818
Name	OJ990527_04.9C17.C3.o1.gs	Method	GENSCAN
Start	1312	End	2760
GI	none	Score	.99
Exons	1312..2760		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36105	Strand	-
Start	1312	End	2818
Name	OJ990527_04.9C17.C3.o1.np	Method	AAT/NAP
Start	1315	End	2715
GI	6683052	Score	641
Exons	1315..2715		
GI Descrip.	(AB027455) anthocyanin 5-O-glucosyltransferase [Petunia x hybrida]		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36105	Strand	-
Start	1312	End	2818
Name	OJ990527_04.9C17.C3.o1.gp	Method	AAT/GAP
Start	2425	End	2818
GI	none	Score	780
Exons	2425..2818		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o2.tm	Method	TBLASTX:Maize
Start	1450	End	1791
GI	none	Score	175
Exons	1450..1710, 1451..1714, 1771..1791		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o2.ts	Method	TBLASTX:Soybean

Start	1450	End	2703
GI	none	Score	125
Exons	1450..1710, 1451..1714, 1768..1905, 1781..1882, 2146..2193, 2233..2448, 2581..2703		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	1475	End	2703
GI	none	Score	149
Exons	1475..1714, 1498..1710, 1774..1914, 1781..1912, 1987..2097, 2143..2463, 2560..2703		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	1523	End	1905
GI	none	Score	138
Exons	1523..1711, 1525..1710, 1771..1905, 1784..1900		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o3.tm	Method	TBLASTX:Maize
Start	2306	End	2683
GI	none	Score	141
Exons	2306..2422, 2323..2457, 2324..2458, 2328..2462, 2443..2538, 2566..2616, 2609..2683, 2620..2682		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	3933	End	4204
GI	none	Score	326
Exons	3933..4202, 3967..4203, 3968..4204, 3970..4185, 3974..4201, 3975..4202		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o2.np	Method	AAT/NAP
Start	3960	End	4207
GI	131148	Score	335
Exons	3960..4207		
GI Descrip.	PHOTOSYSTEM I P700 CHLOROPHYLL A APOPROTEIN A2 gi|72674|pir||A2RZP7 photosystem I P700 apoprotein A2 - rice chloroplast gi|11981|emb|CAA33995| (X15901) PSI P700 apoprotein A2 [Oryza sativa] gi|226604|prf||1603356AA photosystem I P700 apoprotein A2 [Oryza sativa]		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o2.tc	Method	TBLASTX:Cress

Start	3968	End	4126
GI	none	Score	247
Exons	3968..4126, 3970..4125		

Seq. No.	17175	Seq. ID	OJ990527_04.9C17.C3
Gene No.	36106	Strand	-
Start	3960	End	4207
Name	OJ990527_04.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	3970	End	4204
GI	none	Score	342
Exons	3970..4182, 3971..4204, 3972..4199		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971
Name	OJ990527_04.9C17.C4.o1.gp	Method	AAT/GAP
Start	420	End	2971
GI	14649_3.R1084	Score	1120
Exons	420..829, 2812..2971		
GI Descrip.	'1825645 2.0e-27 (U88173) weak similarity to Arabidopsis thaliana ubiquitin-like protein 8 [Caenorhabditis elegans]'		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971
Name	OJ990527_04.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	585	End	844
GI	none	Score	406
Exons	585..821, 644..844, 644..760, 786..818		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971
Name	OJ990527_04.9C17.C4.o1.tc	Method	TBLASTX:Cress
Start	591	End	824
GI	none	Score	386
Exons	591..824, 644..760		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971
Name	OJ990527_04.9C17.C4.o1.ts	Method	TBLASTX:Soybean
Start	591	End	851
GI	none	Score	384
Exons	591..851, 644..760		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971
Name	OJ990527_04.9C17.C4.o1.gs	Method	GENSCAN
Start	594	End	815
GI	none	Score	.87
Exons	594..815		

Seq. No.	17176	Seq. ID	OJ990527_04.9C17.C4
Gene No.	36107	Strand	+
Start	420	End	2971

Name	OJ990527_04.9C17.C4.o1.np	Method	AAT/NAP
Start	594	End	812
GI	6911856	Score	378
Exons	594..812		
GI Descrip.	(AL138649) putative protein [Arabidopsis thaliana]		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36108	Strand	+
Start	1	End	4772
Name	OJ990527_04.9C17.C5.o1.np	Method	AAT/NAP
Start	1	End	3034
GI	3947597	Score	133
Exons	1..95, 1402..1588, 2955..3034		
GI Descrip.	(AL023828) Y17G7B.2a [Caenorhabditis elegans]		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36108	Strand	+
Start	1	End	4772
Name	OJ990527_04.9C17.C5.o1.gs	Method	GENSCAN
Start	436	End	1907
GI	none	Score	.55
Exons	436..486, 626..745, 1405..1672, 1879..1907		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36108	Strand	+
Start	1	End	4772
Name	OJ990527_04.9C17.C5.o2.np	Method	AAT/NAP
Start	2408	End	4772
GI	322884	Score	86
Exons	2408..2492, 3585..3738, 4683..4772		
GI Descrip.	pollen-preferential protein - trumpet lily gi|19453|emb|CAA78966| (Z17318) pollen preferential protein [Lilium longiflorum] gi|19455|emb|CAA78977| (Z17329) pollen preferential protein [Lilium longiflorum] gi|308904 (L18910) pollen preferential protein [Lilium longiflorum]		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36109	Strand	-
Start	3458	End	3911
Name	OJ990527_04.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	1404	End	3317
GI	none	Score	162
Exons	1404..1643, 1405..1650, 1405..1620, 1407..1643, 1412..1678, 1632..1673, 1645..1686, 3263..3310, 3264..3317		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36109	Strand	-
Start	3458	End	3911
Name	OJ990527_04.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	1413	End	1605
GI	none	Score	214
Exons	1413..1583, 1414..1605		

Seq. No.	17177	Seq. ID	OJ990527_04.9C17.C5
Gene No.	36109	Strand	-
Start	3458	End	3911
Name	OJ990527_04.9C17.C5.o2.gs	Method	GENSCAN

Start	3458	End	3911
GI	none	Score	.99
Exons	3458..3911		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36110	Strand	+
Start	1069	End	2370
Name	OJ990527_04.9C17.C6.o1.gs	Method	GENSCAN
Start	1069	End	2370
GI	none	Score	.5
Exons	1069..1834, 2024..2132, 2296..2370		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36111	Strand	+
Start	7904	End	8285
Name	OJ990527_04.9C17.C6.o3.np	Method	AAT/NAP
Start	7904	End	8285
GI	5922634	Score	72
Exons	7904..8007, 8258..8285		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36112	Strand	-
Start	1	End	1595
Name	OJ990527_04.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	1595
GI	3402683	Score	100
Exons	1..39, 1178..1595		
GI Descrip.	(AC004697) similar to latex allergen from Hevea brasiliensis [Arabidopsis thaliana]		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o2.np	Method	AAT/NAP
Start	3339	End	6715
GI	6911866	Score	639
Exons	3339..3364, 5494..6715		
GI Descrip.	(AL138655) phosphatidylinositol-4-phosphate 5-kinase-like protein [Arabidopsis thaliana]		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o2.gs	Method	GENSCAN
Start	3573	End	8050
GI	none	Score	.91
Exons	3573..3599, 4774..5215, 5475..5980, 6213..6859, 7918..8050		

Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o1.tc	Method	TBLASTX:Cress
Start	5484	End	6518
GI	none	Score	88

Exons	5484..5564, 5495..5566, 5987..6175, 5987..6235, 5987..6193, 5987..6235, 6010..6048, 6039..6176, 6050..6175, 6057..6179, 6060..6218, 6168..6506, 6168..6452, 6168..6500, 6168..6326, 6196..6294, 6216..6494, 6264..6518, 6337..6453, 6403..6495, 6453..6503		
Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o1.tm	Method	TBLASTX:Maize
Start	5987	End	6500
GI	none	Score	37
Exons	5987..6175, 6038..6193, 6119..6163, 6168..6500, 6168..6365, 6171..6437, 6202..6435		
Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o1.ts	Method	TBLASTX:Soybean
Start	5993	End	6518
GI	none	Score	35
Exons	5993..6181, 5993..6175, 6057..6098, 6060..6176, 6063..6176, 6095..6175, 6096..6176, 6168..6518, 6168..6446, 6168..6506, 6196..6273, 6202..6288, 6202..6291, 6303..6485, 6334..6366, 6403..6501, 6403..6504		
Seq. No.	17178	Seq. ID	OJ990527_04.9C17.C6
Gene No.	36113	Strand	-
Start	3573	End	8050
Name	OJ990527_04.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	5993	End	6518
GI	none	Score	75
Exons	5993..6100, 6009..6053, 6054..6176, 6056..6175, 6056..6175, 6056..6175, 6063..6176, 6063..6176, 6107..6178, 6168..6494, 6168..6452, 6193..6291, 6196..6273, 6243..6485, 6312..6509, 6331..6366, 6402..6518, 6403..6453, 6409..6510		
Seq. No.	17179	Seq. ID	OJ990527_04.9C17.C7
Gene No.	36114	Strand	+
Start	5765	End	10555
Name	OJ990527_04.9C17.C7.o2.gs	Method	GENSCAN
Start	5765	End	10555
GI	none	Score	.74
Exons	5765..5888, 6063..6160, 6222..6317, 6789..6947, 7858..7950, 8040..8201, 8647..8778, 10376..10555		
Seq. No.	17179	Seq. ID	OJ990527_04.9C17.C7
Gene No.	36115	Strand	-
Start	215	End	3474
Name	OJ990527_04.9C17.C7.o1.gs	Method	GENSCAN
Start	215	End	3474
GI	none	Score	.79
Exons	215..358, 427..525, 613..768, 897..1019, 1336..1421, 1511..1645, 1722..1902, 2289..2330, 2737..2864, 3399..3474		
Seq. No.	17179	Seq. ID	OJ990527_04.9C17.C7
Gene No.	36115	Strand	-

Start	215	End	3474
Name	OJ990527_04.9C17.C7.o1.gp	Method	AAT/GAP
Start	1748	End	2309
GI	24846_1.R1084	Score	575
Exons	1748..2027, 2101..2150, 2289..2309		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36116	Strand	+
Start	1	End	4326
Name	OJ990527_04.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	4326
GI	4757790	Score	261
Exons	1..25, 1561..1995, 3522..3712, 4223..4326		
GI Descrip.	ash2 (absent, small, or homeotic, Drosophila, homolog)-like gi|3046997 (AF056718) ash211 [Homo sapiens]		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36116	Strand	+
Start	1	End	4326
Name	OJ990527_04.9C17.C8.o1.gs	Method	GENSCAN
Start	1079	End	3814
GI	none	Score	.67
Exons	1079..1983, 3531..3814		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36117	Strand	+
Start	7782	End	9046
Name	OJ990527_04.9C17.C8.o3.gs	Method	GENSCAN
Start	7782	End	8999
GI	none	Score	1
Exons	7782..8999		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36117	Strand	+
Start	7782	End	9046
Name	OJ990527_04.9C17.C8.o2.np	Method	AAT/NAP
Start	7947	End	9046
GI	2344903	Score	707
Exons	7947..8603, 8640..9046		
GI Descrip.	(AC002388) putative triacylglycerol lipase [Arabidopsis thaliana]		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	1343	End	1703
GI	none	Score	83
Exons	1343..1381, 1344..1394, 1452..1703, 1455..1703		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o4.ts	Method	TBLASTX:Soybean
Start	1452	End	1682

GI	none	Score	53
Exons	1452..1511, 1500..1682, 1538..1681		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	1686	End	1916
GI	none	Score	274
Exons	1686..1916, 1706..1894		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	1716	End	3801
GI	none	Score	315
Exons	1716..1961, 1717..1968, 1721..1954, 1723..1989, 1956..1997, 3529..3801, 3530..3658, 3534..3797, 3535..3798		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o6.tm	Method	TBLASTX:Maize
Start	4646	End	6325
GI	none	Score	153
Exons	4646..4840, 4668..4841, 4669..4842, 4670..4846, 4677..4844, 5338..5439, 5343..5447, 5344..5433, 6076..6165, 6077..6187, 6236..6325, 6256..6324		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o5.tm	Method	TBLASTX:Maize
Start	7911	End	8774
GI	none	Score	157
Exons	7911..8081, 7950..8036, 8091..8177, 8217..8255, 8250..8327, 8291..8434, 8520..8585, 8523..8588, 8649..8723, 8697..8774		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	7932	End	8774
GI	none	Score	145
Exons	7932..8069, 8136..8186, 8196..8372, 8210..8338, 8519..8602, 8520..8600, 8637..8774, 8642..8773		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o1.gp	Method	AAT/GAP
Start	9390	End	10358
GI	3762902	Score	986
Exons	9390..9897, 10293..10358		
GI Descrip.	2739371 9.0e-20 (AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o4.gs	Method	GENSCAN
Start	9622	End	10679
GI	none	Score	.53
Exons	9622..9897, 10293..10679		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o3.np	Method	AAT/NAP
Start	9625	End	10856
GI	2739371	Score	698
Exons	9625..9897, 10293..10679, 10773..10856		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	9631	End	10481
GI	none	Score	53
Exons	9631..9723, 9698..9898, 9703..9900, 9731..9898, 10274..10444, 10288..10443, 10293..10472, 10293..10481		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o4.tm	Method	TBLASTX:Maize
Start	9703	End	9904
GI	none	Score	284
Exons	9703..9900, 9713..9904, 9728..9898		

Seq. No.	17180	Seq. ID	OJ990527_04.9C17.C8
Gene No.	36118	Strand	-
Start	9622	End	10856
Name	OJ990527_04.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	10289	End	10673
GI	none	Score	194
Exons	10289..10477, 10293..10673, 10293..10667		

Seq. No.	17181	Seq. ID	OJ990527_04.9C17.C9
Gene No.	36119	Strand	-
Start	1	End	2877
Name	OJ990527_04.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	2877
GI	2739371	Score	651
Exons	1..122, 204..272, 1063..1152, 1260..1308, 1909..2023, 2547..2596, 2693..2877		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17181	Seq. ID	OJ990527_04.9C17.C9
Gene No.	36119	Strand	-
Start	1	End	2877
Name	OJ990527_04.9C17.C9.o2.tm	Method	TBLASTX:Maize

Start	31	End	2028
GI	none	Score	135
Exons	31..123, 31..123, 32..175, 203..274, 203..277, 204..278, 204..278, 1061..1153, 1061..1153, 1063..1155, 1063..1155, 1249..1320, 1260..1310, 1261..1311, 1907..2023, 1908..2024, 1909..2028		

Seq. No.	17181	Seq. ID	OJ990527_04.9C17.C9
Gene No.	36119	Strand	-
Start	1	End	2877
Name	OJ990527_04.9C17.C9.o1.gs	Method	GENSCAN
Start	1063	End	2830
GI	none	Score	.91
Exons	1063..1152, 1260..1308, 1909..2023, 2547..2596, 2693..2830		

Seq. No.	17181	Seq. ID	OJ990527_04.9C17.C9
Gene No.	36119	Strand	-
Start	1	End	2877
Name	OJ990527_04.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	2546	End	2835
GI	none	Score	66
Exons	2546..2587, 2548..2598, 2549..2599, 2692..2835, 2692..2796, 2705..2824		

Seq. No.	17182	Seq. ID	OJ990527_04.9C17.C10
Gene No.	36120	Strand	-
Start	399	End	1021
Name	OJ990527_04.9C17.C10.o1.gs	Method	GENSCAN
Start	399	End	1021
GI	none	Score	.58
Exons	399..460, 506..613, 743..851, 963..1021		

Seq. No.	17182	Seq. ID	OJ990527_04.9C17.C10
Gene No.	36120	Strand	-
Start	399	End	1021
Name	OJ990527_04.9C17.C10.o1.gp	Method	AAT/GAP
Start	450	End	842
GI	3061028	Score	716
Exons	450..842		

Seq. No.	17183	Seq. ID	OJ990527_04.9C17.C11
Gene No.	36121	Strand	-
Start	14	End	586
Name	OJ990527_04.9C17.C11.o1.gp	Method	AAT/GAP
Start	14	End	571
GI	3762902	Score	776
Exons	14..571		
GI Descrip.	2739371 9.0e-20 (AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17183	Seq. ID	OJ990527_04.9C17.C11
Gene No.	36121	Strand	-
Start	14	End	586
Name	OJ990527_04.9C17.C11.o1.gs	Method	GENSCAN
Start	244	End	523
GI	none	Score	.47
Exons	244..523		

Seq. No.	17183	Seq. ID	OJ990527_04.9C17.C11
Gene No.	36121	Strand	-
Start	14	End	586
Name	OJ990527_04.9C17.C11.o1.np	Method	AAT/NAP
Start	247	End	586
GI	2739371	Score	165
Exons	247..586		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17183	Seq. ID	OJ990527_04.9C17.C11
Gene No.	36121	Strand	-
Start	14	End	586
Name	OJ990527_04.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	253	End	526
GI	none	Score	53
Exons	253..345, 320..415, 321..410, 432..485, 474..521, 481..525,	325..423, 353..421, 424..474, 485..526	

Seq. No.	17183	Seq. ID	OJ990527_04.9C17.C11
Gene No.	36121	Strand	-
Start	14	End	586
Name	OJ990527_04.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	325	End	525
GI	none	Score	129
Exons	325..423, 350..421, 418..459,	474..521, 481..525	

Seq. No.	17184	Seq. ID	OJ990527_04.9C17.C12
Gene No.	36122	Strand	-
Start	1	End	902
Name	OJ990527_04.9C17.C12.o1.np	Method	AAT/NAP
Start	1	End	902
GI	2739371	Score	323
Exons	1..409, 803..902		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	17184	Seq. ID	OJ990527_04.9C17.C12
Gene No.	36122	Strand	-
Start	1	End	902
Name	OJ990527_04.9C17.C12.o1.tm	Method	TBLASTX:Maize
Start	75	End	414
GI	none	Score	74
Exons	75..137, 107..160, 111..161, 163..414, 164..211, 165..365,	111..161, 112..162, 120..407, 284..412	

Seq. No.	17184	Seq. ID	OJ990527_04.9C17.C12
Gene No.	36122	Strand	-
Start	1	End	902
Name	OJ990527_04.9C17.C12.o1.ts	Method	TBLASTX:Soybean
Start	78	End	877
GI	none	Score	108
Exons	78..107, 111..338, 111..338,	751..876, 764..877, 802..876	

Seq. No.	17184	Seq. ID	OJ990527_04.9C17.C12
Gene No.	36122	Strand	-
Start	1	End	902
Name	OJ990527_04.9C17.C12.o1.gs	Method	GENSCAN

Start	213	End	872
GI	none	Score	.93
Exons	213..409, 803..872		

Seq. No.	17185	Seq. ID	OJ990527_04.9C17.C13
Gene No.	36123	Strand	+
Start	95	End	309
Name	OJ990527_04.9C17.C13.o1.gs	Method	GENSCAN
Start	95	End	309
GI	none	Score	.48
Exons	95..309		

Seq. No.	17186	Seq. ID	OJ990527_04.9C17.C15
Gene No.	36124	Strand	+
Start	260	End	490
Name	OJ990527_04.9C17.C15.o1.gs	Method	GENSCAN
Start	260	End	490
GI	none	Score	.94
Exons	260..490		

Seq. No.	17187	Seq. ID	OJ990527_04.9C17.C20
Gene No.	36125	Strand	+
Start	1	End	732
Name	OJ990527_04.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	732
GI	585771	Score	213
Exons	1..25, 172..243, 340..378, 544..601, 687..732		
GI Descrip.	MEIOTIC RECOMBINATION PROTEIN DMC1 HOMOLOG gi|629874|pir||JC2214 hypothetical 38.3K protein, LIM15 - Trumpet lily gi|431168|dbj|BAA04845| (D21821) RAD51-like protein [Lilium longiflorum]		

Seq. No.	17187	Seq. ID	OJ990527_04.9C17.C20
Gene No.	36125	Strand	+
Start	1	End	732
Name	OJ990527_04.9C17.C20.o1.gs	Method	GENSCAN
Start	172	End	633
GI	none	Score	.52
Exons	172..243, 340..378, 511..633		

Seq. No.	17188	Seq. ID	OJ990527_04.9C17.C21
Gene No.	36126	Strand	+
Start	1	End	1179
Name	OJ990527_04.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	585771	Score	639
Exons	1..207, 315..381, 463..555, 641..708, 807..885, 969..1179		
GI Descrip.	MEIOTIC RECOMBINATION PROTEIN DMC1 HOMOLOG gi|629874|pir||JC2214 hypothetical 38.3K protein, LIM15 - Trumpet lily gi|431168|dbj|BAA04845| (D21821) RAD51-like protein [Lilium longiflorum]		

Seq. No.	17188	Seq. ID	OJ990527_04.9C17.C21
Gene No.	36127	Strand	-
Start	943	End	1137
Name	OJ990527_04.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	143	End	1137

GI	none	Score	96
Exons	143..205, 145..204, 315..380, 316..384, 462..554, 463..558, 640..678, 641..673, 675..707, 676..708, 760..864, 804..884, 806..877, 967..996, 968..1000, 974..1000, 999..1133, 1000..1137, 1000..1137		

Seq. No.	17188	Seq. ID	OJ990527_04.9C17.C21
Gene No.	36127	Strand	-
Start	943	End	1137
Name	OJ990527_04.9C17.C21.o1.tc	Method	TBLASTX:Cress
Start	172	End	997
GI	none	Score	41
Exons	172..204, 173..205, 315..356, 316..348, 462..554, 463..558, 641..673, 675..704, 676..708, 804..884, 806..883, 967..996, 968..997		

Seq. No.	17188	Seq. ID	OJ990527_04.9C17.C21
Gene No.	36127	Strand	-
Start	943	End	1137
Name	OJ990527_04.9C17.C21.o1.gs	Method	GENSCAN
Start	943	End	1062
GI	none	Score	.51
Exons	943..1062		

Seq. No.	17189	Seq. ID	OJ990527_04.9C17.C22
Gene No.	36128	Strand	-
Start	1	End	694
Name	OJ990527_04.9C17.C22.o1.np	Method	AAT/NAP
Start	1	End	170
GI	4680186	Score	205
Exons	1..170		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17189	Seq. ID	OJ990527_04.9C17.C22
Gene No.	36128	Strand	-
Start	1	End	694
Name	OJ990527_04.9C17.C22.o1.gs	Method	GENSCAN
Start	13	End	694
GI	none	Score	.99
Exons	13..177, 456..517, 556..694		

Seq. No.	17190	Seq. ID	OJ990527_04.9C17.C25
Gene No.	36129	Strand	+
Start	1	End	1643
Name	OJ990527_04.9C17.C25.o1.np	Method	AAT/NAP
Start	1	End	1643
GI	6539567	Score	120
Exons	1..26, 949..1243, 1500..1643		
GI Descrip.	(AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	17190	Seq. ID	OJ990527_04.9C17.C25
Gene No.	36129	Strand	+
Start	1	End	1643
Name	OJ990527_04.9C17.C25.o2.np	Method	AAT/NAP

Start	317	End	1625
GI	5777617	Score	73
Exons	317..335, 1526..1625		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	17190	Seq. ID	OJ990527_04.9C17.C25
Gene No.	36129	Strand	+
Start	1	End	1643
Name	OJ990527_04.9C17.C25.o1.gs	Method	GENSCAN
Start	768	End	1637
GI	none	Score	.83
Exons	768..845, 852..1004, 1451..1637		

Seq. No.	17191	Seq. ID	OJ990527_04.9C17.C26
Gene No.	36130	Strand	+
Start	1	End	923
Name	OJ990527_04.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	815
GI	6016703	Score	120
Exons	1..44, 566..815		
GI Descrip.	(AC009991) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17191	Seq. ID	OJ990527_04.9C17.C26
Gene No.	36130	Strand	+
Start	1	End	923
Name	OJ990527_04.9C17.C26.o1.gs	Method	GENSCAN
Start	228	End	923
GI	none	Score	.99
Exons	228..923		

Seq. No.	17192	Seq. ID	OJ990527_04.9C17.C27
Gene No.	36131	Strand	+
Start	1206	End	4560
Name	OJ990527_04.9C17.C27.o1.gs	Method	GENSCAN
Start	1206	End	4560
GI	none	Score	.67
Exons	1206..1267, 2013..2149, 2230..2267, 2988..3218, 3525..3772, 4025..4349, 4387..4560		

Seq. No.	17193	Seq. ID	OJ990527_04.9C17.C28
Gene No.	36132	Strand	+
Start	484	End	1036
Name	OJ990527_04.9C17.C28.o1.gs	Method	GENSCAN
Start	484	End	1036
GI	none	Score	.53
Exons	484..538, 873..1036		

Seq. No.	17193	Seq. ID	OJ990527_04.9C17.C28
Gene No.	36133	Strand	+
Start	1040	End	1283
Name	OJ990527_04.9C17.C28.o1.gp	Method	AAT/GAP
Start	1040	End	1283
GI	8022_1.R1084	Score	324
Exons	1040..1283		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36134	Strand	+
Start	32	End	264
Name	OJ990527_04.9C17.C29.o1.gp	Method	AAT/GAP
Start	32	End	264
GI	8022_1.R1084	Score	311
Exons	32..264		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-
Start	812	End	3763
Name	OJ990527_04.9C17.C29.o1.gs	Method	GENSCAN
Start	812	End	3758
GI	none	Score	.9
Exons	812..992, 1666..1802, 1917..2023, 2142..2220, 2386..2472, 3122..3400, 3543..3758		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-
Start	812	End	3763
Name	OJ990527_04.9C17.C29.o1.np	Method	AAT/NAP
Start	1428	End	3763
GI	5915851	Score	799
Exons	1428..1524, 1666..1796, 1917..2023, 2142..2220, 2386..2472, 3122..3307, 3335..3400, 3543..3763		
GI Descrip.	CYTOCHROME P450 90A1 gi|1076315|pir||S55379 cytochrome P450 - Arabidopsis thaliana gi|853719|emb|CAA60793| (X87367) CYP90 protein [Arabidopsis thaliana] gi|871988|emb|CAA60794| (X87368) CYP90 protein [Arabidopsis thaliana]		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-
Start	812	End	3763
Name	OJ990527_04.9C17.C29.o1.tm	Method	TBLASTX:Maize
Start	1441	End	3741
GI	none	Score	80
Exons	1441..1524, 1445..1525, 1446..1526, 1447..1497, 1455..1526, 1664..1786, 1668..1805, 1668..1805, 1768..1806, 1856..2011, 1917..2030, 1918..2031, 2131..2220, 2141..2221, 2374..2475, 2381..2503, 2383..2496, 3120..3236, 3120..3224, 3122..3274, 3182..3253, 3311..3406, 3332..3406, 3351..3407, 3541..3711, 3543..3740, 3544..3741		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-
Start	812	End	3763
Name	OJ990527_04.9C17.C29.o1.tc	Method	TBLASTX:Cress
Start	1455	End	3740
GI	none	Score	49
Exons	1455..1526, 1668..1772, 1917..2021, 1918..1947, 1975..2022, 2131..2220, 2141..2221, 2383..2496, 2384..2503, 3120..3236, 3122..3271, 3335..3406, 3585..3740, 3586..3732		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-

Start	812	End	3763
Name	OJ990527_04.9C17.C29.o2.ts	Method	TBLASTX:Soybean
Start	1665	End	2223
GI	none	Score	62
Exons	1665..1796, 1680..1790, 1917..2021, 2131..2223		

Seq. No.	17194	Seq. ID	OJ990527_04.9C17.C29
Gene No.	36135	Strand	-
Start	812	End	3763
Name	OJ990527_04.9C17.C29.o1.ts	Method	TBLASTX:Soybean
Start	3585	End	3732
GI	none	Score	158
Exons	3585..3731, 3586..3732		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36136	Strand	+
Start	3251	End	4081
Name	OJ990527_04.9C17.C30.o1.gp	Method	AAT/GAP
Start	3251	End	4078
GI	6694_1.R1084	Score	798
Exons	3251..3504, 3604..3695, 3815..3892, 4008..4078		
GI Descrip.	'3273202/dbj|BAA31146| 6.0e-54 (AB010918) responce reactor4 [Arabidopsis thaliana]'		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36136	Strand	+
Start	3251	End	4081
Name	OJ990527_04.9C17.C30.o1.np	Method	AAT/NAP
Start	3402	End	4081
GI	3273200	Score	283
Exons	3402..3504, 3604..3704, 3815..3892, 4008..4081		
GI Descrip.	(AB010917) responce reactor3 [Arabidopsis thaliana] gi|3894192|gb|AAC78541.1| (AC005662) putative two-component response regulator 3 protein [Arabidopsis thaliana]		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36137	Strand	+
Start	4082	End	4573
Name	OJ990527_04.9C17.C30.o1.tm	Method	TBLASTX:Maize
Start	3242	End	4087
GI	none	Score	37
Exons	3242..3274, 3269..3292, 3404..3520, 3405..3512, 3560..3655, 3589..3666, 3603..3668, 3625..3663, 3809..3940, 3812..3940, 4002..4079, 4011..4082, 4013..4087		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36137	Strand	+
Start	4082	End	4573
Name	OJ990527_04.9C17.C30.o1.tc	Method	TBLASTX:Cress
Start	3396	End	4087
GI	none	Score	112
Exons	3396..3512, 3410..3550, 3597..3704, 3602..3670, 3812..3892, 3814..3894, 4005..4079, 4007..4087		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36137	Strand	+
Start	4082	End	4573

Name	OJ990527_04.9C17.C30.o1.ts	Method	TBLASTX:Soybean
Start	3812	End	4087
GI	none	Score	135
Exons	3812..3892, 3812..3895, 3950..4087, 4005..4079		

Seq. No.	17195	Seq. ID	OJ990527_04.9C17.C30
Gene No.	36137	Strand	+
Start	4082	End	4573
Name	OJ990527_04.9C17.C30.o2.gp	Method	AAT/GAP
Start	4082	End	4573
GI	6694_2.R1084	Score	903
Exons	4082..4573		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-26 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36138	Strand	+
Start	1	End	600
Name	OJ990527_04.9C17.C31.o1.gp	Method	AAT/GAP
Start	1	End	600
GI	6694_2.R1084	Score	1131
Exons	1..600		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-26 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36138	Strand	+
Start	1	End	600
Name	OJ990527_04.9C17.C31.o1.gs	Method	GENSCAN
Start	201	End	462
GI	none	Score	.98
Exons	201..462		

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36139	Strand	-
Start	966	End	2164
Name	OJ990527_04.9C17.C31.o1.tm	Method	TBLASTX:Maize
Start	913	End	1663
GI	none	Score	205
Exons	913..954, 935..1027, 939..1094, 940..1092, 1618..1662, 1622..1663		

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36139	Strand	-
Start	966	End	2164
Name	OJ990527_04.9C17.C31.o2.gs	Method	GENSCAN
Start	966	End	2142
GI	none	Score	.95
Exons	966..1091, 1621..1734, 1966..2142		

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36139	Strand	-
Start	966	End	2164
Name	OJ990527_04.9C17.C31.o2.np	Method	AAT/NAP
Start	969	End	2164
GI	6911878	Score	257
Exons	969..1091, 1621..1734, 1966..2164		

GI Descrip. (AL138655) putative protein [Arabidopsis thaliana]

Seq. No.	17196	Seq. ID	OJ990527_04.9C17.C31
Gene No.	36139	Strand	-
Start	966	End	2164
Name	OJ990527_04.9C17.C31.o2.gp	Method	AAT/GAP
Start	1621	End	2147
GI	3768889	Score	463
Exons	1621..1732, 1965..2147		

Seq. No.	17197	Seq. ID	OJ990527_04.9C17.C32
Gene No.	36140	Strand	-
Start	1727	End	1919
Name	OJ990527_04.9C17.C32.o1.gp	Method	AAT/GAP
Start	1727	End	1919
GI	77634_1.R1084	Score	290
Exons	1727..1919		
GI Descrip.	'2760543/emb|CAB09796| 6.0e-26 (Z97060) L-galactono-1,4-lactone dehydrogenase [Brassica oleracea]'		

Seq. No.	17198	Seq. ID	OJ990527_04.9C17.C33
Gene No.	36141	Strand	-
Start	1	End	3210
Name	OJ990527_04.9C17.C33.o1.np	Method	AAT/NAP
Start	1	End	3210
GI	3986289	Score	1389
Exons	1..106, 368..508, 1266..1660, 1831..2015, 2129..2386, 3116..3210		
GI Descrip.	(AB017357) L-Galactono-1,4-lactone dehydrogenase [Ipomoea batatas]		

Seq. No.	17198	Seq. ID	OJ990527_04.9C17.C33
Gene No.	36141	Strand	-
Start	1	End	3210
Name	OJ990527_04.9C17.C33.o1.tm	Method	TBLASTX:Maize
Start	2	End	2383
GI	none	Score	115
Exons	2..109, 2..106, 365..415, 367..414, 367..420, 428..508, 429..509, 441..509, 1263..1673, 1264..1341, 1265..1630, 1428..1670, 1819..2013, 1832..2017, 1833..2018, 1833..2018, 2123..2380, 2125..2382, 2128..2382, 2129..2383		

Seq. No.	17198	Seq. ID	OJ990527_04.9C17.C33
Gene No.	36141	Strand	-
Start	1	End	3210
Name	OJ990527_04.9C17.C33.o1.gs	Method	GENSCAN
Start	368	End	2379
GI	none	Score	.75
Exons	368..508, 1266..1438, 1478..1668, 1833..2015, 2129..2379		

Seq. No.	17198	Seq. ID	OJ990527_04.9C17.C33
Gene No.	36141	Strand	-
Start	1	End	3210
Name	OJ990527_04.9C17.C33.o1.gp	Method	AAT/GAP
Start	374	End	2002
GI	12723_1.R1084	Score	1379
Exons	374..508, 1266..1679, 1833..2002		
GI Descrip.	'3986289/dbj|BAA34995| 8.0e-81 (AB017357)		

L-Galactono-1,4-lactone dehydrogenase [Ipomoea batatas]'

Seq. No.	17198	Seq. ID	OJ990527_04.9C17.C33
Gene No.	36141	Strand	-
Start	1	End	3210
Name	OJ990527_04.9C17.C33.o1.tw	Method	TBLASTX:Wheat
Start	1832	End	2370
GI	none	Score	291
Exons	1832..2017, 1833..2015, 1834..2016, 2128..2370, 2135..2362		

Seq. No.	17199	Seq. ID	OJ990527_04.9C17.C34
Gene No.	36142	Strand	+
Start	104	End	1357
Name	OJ990527_04.9C17.C34.o3.tm	Method	TBLASTX:Maize
Start	96	End	481
GI	none	Score	85
Exons	96..173, 98..172, 114..218, 173..217, 222..275, 222..275, 261..308, 261..320, 294..359, 303..476, 306..359, 366..467, 368..481		

Seq. No.	17199	Seq. ID	OJ990527_04.9C17.C34
Gene No.	36142	Strand	+
Start	104	End	1357
Name	OJ990527_04.9C17.C34.o1.gs	Method	GENSCAN
Start	104	End	1357
GI	none	Score	.52
Exons	104..644, 779..1357		

Seq. No.	17199	Seq. ID	OJ990527_04.9C17.C34
Gene No.	36142	Strand	+
Start	104	End	1357
Name	OJ990527_04.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	572	End	862
GI	none	Score	183
Exons	572..646, 573..725, 576..725, 577..732, 578..733, 728..862, 729..860, 730..861		

Seq. No.	17199	Seq. ID	OJ990527_04.9C17.C34
Gene No.	36142	Strand	+
Start	104	End	1357
Name	OJ990527_04.9C17.C34.o2.tm	Method	TBLASTX:Maize
Start	884	End	1301
GI	none	Score	48
Exons	884..910, 885..917, 886..915, 936..977, 936..977, 937..978, 976..1116, 976..1092, 977..1180, 981..1118, 995..1207, 1129..1296, 1133..1300, 1153..1221, 1154..1231, 1170..1301, 1176..1295		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36143	Strand	+
Start	2351	End	3728
Name	OJ990527_04.9C17.C35.o1.np	Method	AAT/NAP
Start	2209	End	2673
GI	4586262	Score	140
Exons	2209..2673		
GI Descrip.	(AL049640) putative calmodulin [Arabidopsis thaliana]		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36143	Strand	+
Start	2351	End	3728
Name	OJ990527_04.9C17.C35.o2.gs	Method	GENSCAN
Start	2351	End	3728
GI	none	Score	.88
Exons	2351..2626, 3195..3728		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36144	Strand	-
Start	137	End	1444
Name	OJ990527_04.9C17.C35.o2.tm	Method	TBLASTX:Maize
Start	2	End	431
GI	none	Score	50
Exons	2..64, 3..62, 74..271, 76..297, 98..292, 274..426, 284..430, 351..431		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36144	Strand	-
Start	137	End	1444
Name	OJ990527_04.9C17.C35.o1.gs	Method	GENSCAN
Start	137	End	1444
GI	none	Score	.98
Exons	137..1444		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36144	Strand	-
Start	137	End	1444
Name	OJ990527_04.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	458	End	865
GI	none	Score	139
Exons	458..574, 459..575, 468..584, 469..585, 469..585, 574..735, 575..736, 575..781, 580..780, 756..863, 761..865, 761..865		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36144	Strand	-
Start	137	End	1444
Name	OJ990527_04.9C17.C35.o3.tm	Method	TBLASTX:Maize
Start	1040	End	1269
GI	none	Score	153
Exons	1040..1087, 1109..1258, 1110..1247, 1111..1257, 1120..1269		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36145	Strand	
Start	2441	End	2647
Name	OJ990527_04.9C17.C35.o1.tc	Method	TBLASTX:Cress
Start	2441	End	2647
GI	none	Score	182
Exons	2441..2641, 2444..2536, 2456..2641, 2567..2647		

Seq. No.	17200	Seq. ID	OJ990527_04.9C17.C35
Gene No.	36145	Strand	
Start	2441	End	2647
Name	OJ990527_04.9C17.C35.o4.tm	Method	TBLASTX:Maize
Start	2441	End	2644
GI	none	Score	183
Exons	2441..2644, 2531..2638		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36146	Strand	+
Start	352	End	2303
Name	OJ990527_04.9C17.C36.o1.np	Method	AAT/NAP
Start	352	End	2303
GI	6907086	Score	524
Exons	352..1087, 1323..1539, 1624..1698, 1888..2303		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36146	Strand	+
Start	352	End	2303
Name	OJ990527_04.9C17.C36.o1.gs	Method	GENSCAN
Start	478	End	942
GI	none	Score	.95
Exons	478..942		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36147	Strand	+
Start	3610	End	6554
Name	OJ990527_04.9C17.C36.o2.np	Method	AAT/NAP
Start	3610	End	6554
GI	4680186	Score	199
Exons	3610..3651, 4994..5155, 5730..5863, 6483..6554		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36148	Strand	+
Start	6966	End	7357
Name	OJ990527_04.9C17.C36.o3.np	Method	AAT/NAP
Start	6966	End	7357
GI	6069654	Score	299
Exons	6966..7357		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36149	Strand	-
Start	958	End	7299
Name	OJ990527_04.9C17.C36.o2.gs	Method	GENSCAN
Start	958	End	7299
GI	none	Score	.71
Exons	958..1026, 1291..1404, 1464..1568, 1868..2045, 2913..4318, 5410..5532, 6200..6354, 7176..7299		

Seq. No.	17201	Seq. ID	OJ990527_04.9C17.C36
Gene No.	36149	Strand	-
Start	958	End	7299
Name	OJ990527_04.9C17.C36.o1.gp	Method	AAT/GAP
Start	5289	End	5714
GI	4878407	Score	667
Exons	5289..5714		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	17202	Seq. ID	OJ990527_04.9C17.C37
Gene No.	36150	Strand	+

Start	58	End	165
Name	OJ990527_04.9C17.C37.o1.gs	Method	GENSCAN
Start	58	End	165
GI	none	Score	.98
Exons	58..165		

Seq. No.	17202	Seq. ID	OJ990527_04.9C17.C37
Gene No.	36151	Strand	-
Start	1214	End	1542
Name	OJ990527_04.9C17.C37.o2.gs	Method	GENSCAN
Start	1214	End	1542
GI	none	Score	.83
Exons	1214..1320, 1359..1542		

Seq. No.	17203	Seq. ID	OJ990527_04.9C17.C38
Gene No.	36152	Strand	+
Start	474	End	733
Name	OJ990527_04.9C17.C38.o1.gs	Method	GENSCAN
Start	474	End	733
GI	none	Score	.89
Exons	474..536, 641..733		

Seq. No.	17203	Seq. ID	OJ990527_04.9C17.C38
Gene No.	36153	Strand	-
Start	1024	End	2787
Name	OJ990527_04.9C17.C38.o2.gs	Method	GENSCAN
Start	1024	End	2787
GI	none	Score	.49
Exons	1024..1350, 1677..2787		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36154	Strand	+
Start	682	End	773
Name	OJ990527_04.9C17.C39.o1.gp	Method	AAT/GAP
Start	682	End	773
GI	4714460	Score	137
Exons	682..773		
GI Descrip.	5734616/dbj|AP000391.1|AP000391 2.0e-26 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36155	Strand	+
Start	1237	End	1626
Name	OJ990527_04.9C17.C39.o1.gs	Method	GENSCAN
Start	1237	End	1626
GI	none	Score	.69
Exons	1237..1626		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36156	Strand	+
Start	5313	End	5803
Name	OJ990527_04.9C17.C39.o3.gs	Method	GENSCAN
Start	5313	End	5803
GI	none	Score	.98
Exons	5313..5324, 5405..5803		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39

Gene No.	36157	Strand	+
Start	6035	End	6797
Name	OJ990527_04.9C17.C39.o4.gs	Method	GENSCAN
Start	6035	End	6736
GI	none	Score	.89
Exons	6035..6736		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36157	Strand	+
Start	6035	End	6797
Name	OJ990527_04.9C17.C39.o3.np	Method	AAT/NAP
Start	6105	End	6797
GI	1628482	Score	366
Exons	6105..6797		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36158	Strand	-
Start	1	End	2983
Name	OJ990527_04.9C17.C39.o1.np	Method	AAT/NAP
Start	1	End	1033
GI	4678335	Score	112
Exons	1..42, 867..1033		
GI Descrip.	(AL049658) L-galactono-1, 4-lactone dehydrogenase-like protein [Arabidopsis thaliana]		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36158	Strand	-
Start	1	End	2983
Name	OJ990527_04.9C17.C39.o2.np	Method	AAT/NAP
Start	1	End	2983
GI	6539567	Score	143
Exons	1..44, 1157..1491, 2928..2983		
GI Descrip.	(AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36159	Strand	-
Start	3060	End	3593
Name	OJ990527_04.9C17.C39.o1.tm	Method	TBLASTX:Maize
Start	848	End	1175
GI	none	Score	95
Exons	848..871, 869..943, 873..938, 874..942, 934..1023, 942..1025, 945..1031, 946..1032, 1143..1175		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36159	Strand	-
Start	3060	End	3593
Name	OJ990527_04.9C17.C39.o1.tw	Method	TBLASTX:Wheat
Start	848	End	1035
GI	none	Score	35
Exons	848..871, 849..872, 872..943, 874..945, 930..1031, 934..1032, 942..1031, 943..1035		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39

Gene No.	36159	Strand	-
Start	3060	End	3593
Name	OJ990527_04.9C17.C39.o3.tm	Method	TBLASTX:Maize
Start	1198	End	3251
GI	none	Score	83
Exons	1198..1449, 1199..1339, 1341..1445, 3135..3251, 3160..3237		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36159	Strand	-
Start	3060	End	3593
Name	OJ990527_04.9C17.C39.o2.gs	Method	GENSCAN
Start	3060	End	3593
GI	none	Score	.57
Exons	3060..3593		

Seq. No.	17204	Seq. ID	OJ990527_04.9C17.C39
Gene No.	36160	Strand	
Start	6188	End	6757
Name	OJ990527_04.9C17.C39.o2.tm	Method	TBLASTX:Maize
Start	6188	End	6757
GI	none	Score	142
Exons	6188..6334, 6392..6526, 6604..6684, 6617..6664, 6650..6757		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36161	Strand	+
Start	1	End	2862
Name	OJ990527_04.9C17.C40.o1.np	Method	AAT/NAP
Start	1	End	2862
GI	1628482	Score	827
Exons	1..19, 270..1835, 2782..2862		
GI Descrip.	(X97570) embryogenesis transmembrane protein [Zea mays]		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36161	Strand	+
Start	1	End	2862
Name	OJ990527_04.9C17.C40.o1.gs	Method	GENSCAN
Start	60	End	1892
GI	none	Score	.94
Exons	60..1892		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36161	Strand	+
Start	1	End	2862
Name	OJ990527_04.9C17.C40.o1.gp	Method	AAT/GAP
Start	2256	End	2674
GI	none	Score	722
Exons	2256..2674		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o4.tm	Method	TBLASTX:Maize
Start	60	End	1799
GI	none	Score	93
Exons	60..176, 356..412, 363..419, 441..527, 594..734, 617..796, 927..1217, 1446..1580, 1452..1763, 1656..1799		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.gp	Method	AAT/GAP
Start	2554	End	3553
GI	uC-osflcyp029h11b1	Score	973
Exons	2554..2913, 3278..3335, 3442..3553		
GI Descrip.	'3402697 3.0e-47 (AC004261) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]'		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.gs	Method	GENSCAN
Start	2622	End	6179
GI	none	Score	.63
Exons	2622..2913, 3278..3335, 3517..3533, 3704..3897, 4191..4356, 4562..4729, 4873..6179		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.np	Method	AAT/NAP
Start	2628	End	5942
GI	6648208	Score	2084
Exons	2628..3001, 3430..3533, 3704..3897, 3990..4106, 4191..4356, 4562..4729, 4873..4971, 5002..5942		
GI Descrip.	(AC013483) putative phosphatidylinositol-4-phosphate 5-kinase [Arabidopsis thaliana]		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o1.tc	Method	TBLASTX:Cress
Start	2631	End	5882
GI	none	Score	87
Exons	2631..2801, 2631..2816, 2632..2817, 3452..3535, 3453..3539, 3703..3900, 3737..3895, 4005..4160, 4006..4107, 4188..4373, 4194..4355, 4561..4692, 4562..4693, 4864..4944, 4869..4946, 5313..5609, 5313..5552, 5352..5816, 5352..5690, 5353..5610, 5353..5610, 5359..5484, 5374..5613, 5386..5610, 5412..5870, 5628..5882, 5689..5817, 5817..5867		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o3.tm	Method	TBLASTX:Maize
Start	2632	End	2894
GI	none	Score	203
Exons	2632..2889, 2634..2894		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.tw	Method	TBLASTX:Wheat
Start	2682	End	3532

GI	none	Score	182
Exons	2682..2915, 2683..2898, 3449..3532, 3453..3527		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o4.ts	Method	TBLASTX:Soybean
Start	2682	End	2918
GI	none	Score	65
Exons	2682..2804, 2682..2918, 2686..2805, 2863..2901		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.tm	Method	TBLASTX:Maize
Start	3417	End	4129
GI	none	Score	110
Exons	3417..3536, 3452..3535, 3703..3900, 3704..3898, 3709..3900, 3972..4109, 3994..4104, 3995..4129		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o2.ts	Method	TBLASTX:Soybean
Start	3453	End	4235
GI	none	Score	59
Exons	3453..3533, 3455..3535, 3703..3789, 3799..3894, 3815..3895, 4014..4109, 4015..4107, 4188..4235		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o5.tm	Method	TBLASTX:Maize
Start	4188	End	4346
GI	none	Score	88
Exons	4188..4346, 4188..4346		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o6.tm	Method	TBLASTX:Maize
Start	4561	End	4922
GI	none	Score	134
Exons	4561..4737, 4562..4738, 4872..4922, 4873..4920		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o3.ts	Method	TBLASTX:Soybean
Start	4567	End	4947
GI	none	Score	212
Exons	4567..4737, 4568..4738, 4872..4946, 4873..4947		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o1.ts	Method	TBLASTX:Soybean

Start	5254	End	5882
GI	none	Score	135
Exons	5254..5304, 5322..5651, 5322..5465, 5352..5585, 5353..5604, 5358..5723, 5358..5534, 5359..5610, 5391..5810, 5395..5622, 5460..5870, 5461..5631, 5532..5882, 5683..5730; 5767..5817		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o1.tw	Method	TBLASTX:Wheat
Start	5313	End	5882
GI	none	Score	60
Exons	5313..5405, 5322..5609, 5352..5738, 5352..5543, 5353..5472, 5358..5678, 5359..5610, 5359..5613, 5392..5544, 5395..5610, 5400..5816, 5401..5631, 5469..5858, 5535..5870, 5655..5723, 5676..5873, 5680..5727, 5683..5730, 5766..5882, 5767..5817		

Seq. No.	17205	Seq. ID	OJ990527_04.9C17.C40
Gene No.	36162	Strand	-
Start	2622	End	6179
Name	OJ990527_04.9C17.C40.o1.tm	Method	TBLASTX:Maize
Start	5313	End	5903
GI	none	Score	79
Exons	5313..5525, 5317..5451, 5352..5729, 5353..5523, 5394..5801, 5395..5631, 5395..5583, 5422..5610, 5463..5903, 5689..5799		

Seq. No.	17206	Seq. ID	OJ990527_04.9C17.C42
Gene No.	36163	Strand	-
Start	1	End	312
Name	OJ990527_04.9C17.C42.o1.gp	Method	AAT/GAP
Start	1	End	312
GI	6694_2.R1084	Score	586
Exons	1..312		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 2.0e-26 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	17207	Seq. ID	OJ990317_01.9C23.C1
Gene No.	36164	Strand	-
Start	27	End	258
Name	OJ990317_01.9C23.C1.o1.gs	Method	GENSCAN
Start	27	End	258
GI	none	Score	.87
Exons	27..258		

Seq. No.	17208	Seq. ID	OJ990317_01.9C23.C2
Gene No.	36165	Strand	+
Start	1	End	700
Name	OJ990317_01.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	679
GI	4544372	Score	299
Exons	1..679		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17208	Seq. ID	OJ990317_01.9C23.C2
Gene No.	36165	Strand	+
Start	1	End	700

Name	OJ990317_01.9C23.C2.o1.gs	Method	GENSCAN
Start	65	End	700
GI	none	Score	.9
Exons	65..388, 419..700		

Seq. No.	17208	Seq. ID	OJ990317_01.9C23.C2
Gene No.	36166	Strand	-
Start	1222	End	1478
Name	OJ990317_01.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	257	End	664
GI	none	Score	226
Exons	257..664, 265..630		

Seq. No.	17208	Seq. ID	OJ990317_01.9C23.C2
Gene No.	36166	Strand	-
Start	1222	End	1478
Name	OJ990317_01.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	440	End	690
GI	none	Score	241
Exons	440..685, 440..607, 442..612, 649..690		

Seq. No.	17208	Seq. ID	OJ990317_01.9C23.C2
Gene No.	36166	Strand	-
Start	1222	End	1478
Name	OJ990317_01.9C23.C2.o2.gs	Method	GENSCAN
Start	1222	End	1478
GI	none	Score	.8
Exons	1222..1478		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36167	Strand	+
Start	8140	End	8621
Name	OJ990317_01.9C23.C5.o2.gs	Method	GENSCAN
Start	8140	End	8621
GI	none	Score	.77
Exons	8140..8148, 8345..8445, 8447..8621		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36168	Strand	-
Start	3021	End	7537
Name	OJ990317_01.9C23.C5.o1.gs	Method	GENSCAN
Start	3021	End	7537
GI	none	Score	.54
Exons	3021..3215, 3260..3380, 3699..3887, 4586..4648, 5213..5247, 6166..6335, 6506..6643, 7243..7333, 7532..7537		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o3.gs	Method	GENSCAN
Start	9625	End	11816
GI	none	Score	.8
Exons	9625..9915, 10107..10226, 10326..10698, 10995..11031, 11765..11816		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-

Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.np	Method	AAT/NAP
Start	9670	End	11816
GI	6523105	Score	583
Exons	9670..9954, 10107..10226, 10326..10698, 10995..11031, 11765..11816		
GI Descrip.	(AL133315) MTN3-like protein [Arabidopsis thaliana]		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	9808	End	11817
GI	none	Score	84
Exons	9808..9966, 9881..9967, 10104..10238, 10105..10227, 10320..10406, 10327..10365, 10441..10572, 10473..10697, 10569..10697, 10998..11033, 11763..11816, 11764..11817		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	9880	End	10718
GI	none	Score	66
Exons	9880..9954, 9881..9955, 10104..10238, 10326..10403, 10450..10572, 10473..10718, 10630..10698		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	9892	End	10718
GI	none	Score	95
Exons	9892..9951, 10107..10238, 10108..10227, 10326..10406, 10450..10575, 10473..10712, 10569..10718		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	10123	End	10658
GI	none	Score	102
Exons	10123..10224, 10131..10238, 10326..10397, 10444..10566, 10488..10658, 10569..10658		

Seq. No.	17209	Seq. ID	OJ990317_01.9C23.C5
Gene No.	36169	Strand	-
Start	9625	End	11932
Name	OJ990317_01.9C23.C5.o1.gp	Method	AAT/GAP
Start	10457	End	11932
GI	1631901	Score	762
Exons	10457..10698, 10995..11031, 11765..11932		
GI Descrip.	5001447/gb|AAD37017.1| 1.0e-25 (AF151726) putative MtN3-like protein [Dianthus caryophyllus]		

Seq. No.	17210	Seq. ID	OJ990317_01.9C23.C7
Gene No.	36170	Strand	+

Start	2	End	1777
Name	OJ990317_01.9C23.C7.o1.gs	Method	GENSCAN
Start	2	End	1714
GI	none	Score	.63
Exons	2..67, 490..538, 1434..1714		

Seq. No.	17210	Seq. ID	OJ990317_01.9C23.C7
Gene No.	36170	Strand	+
Start	2	End	1777
Name	OJ990317_01.9C23.C7.o1.np	Method	AAT/NAP
Start	1100	End	1777
GI	1381090	Score	63
Exons	1100..1295, 1332..1434, 1552..1588, 1653..1777		
GI Descrip.	(U51723) V-SERA 3 [Plasmodium vivax]		

Seq. No.	17211	Seq. ID	OJ990317_01.9C23.C9
Gene No.	36171	Strand	+
Start	437	End	1401
Name	OJ990317_01.9C23.C9.o1.np	Method	AAT/NAP
Start	437	End	1401
GI	5852180	Score	553
Exons	437..561, 613..1024, 1377..1401		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	17211	Seq. ID	OJ990317_01.9C23.C9
Gene No.	36172	Strand	-
Start	572	End	1007
Name	OJ990317_01.9C23.C9.o1.gs	Method	GENSCAN
Start	572	End	1007
GI	none	Score	.48
Exons	572..696, 768..1007		

Seq. No.	17212	Seq. ID	OJ990317_01.9C23.C10
Gene No.	36173	Strand	+
Start	361	End	4748
Name	OJ990317_01.9C23.C10.o1.np	Method	AAT/NAP
Start	361	End	4748
GI	6815062	Score	5885
Exons	361..1870, 2089..2161, 2434..2704, 2799..3196, 3273..3464, 3557..3762, 3806..4151, 4233..4331, 4409..4748		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	17212	Seq. ID	OJ990317_01.9C23.C10
Gene No.	36173	Strand	+
Start	361	End	4748
Name	OJ990317_01.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	402	End	944
GI	none	Score	141
Exons	402..527, 406..549, 578..868, 579..944, 901..924		

Seq. No.	17212	Seq. ID	OJ990317_01.9C23.C10
Gene No.	36173	Strand	+
Start	361	End	4748
Name	OJ990317_01.9C23.C10.o1.gs	Method	GENSCAN
Start	561	End	4748

GI	none	Score	.54
Exons	561..1539, 1645..1870, 2089..2161, 2434..2704, 2799..3196, 3273..3464, 3557..3762, 3806..4151, 4233..4331, 4409..4748		

Seq. No.	17212	Seq. ID	OJ990317_01.9C23.C10
Gene No.	36173	Strand	+
Start	361	End	4748
Name	OJ990317_01.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	2542	End	3025
GI	none	Score	218
Exons	2542..2727, 2544..2720, 2788..2874, 2789..2896, 2891..2920, 2926..3021, 2930..3025		

Seq. No.	17212	Seq. ID	OJ990317_01.9C23.C10
Gene No.	36173	Strand	+
Start	361	End	4748
Name	OJ990317_01.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	3028	End	4492
GI	none	Score	203
Exons	3028..3192, 3029..3199, 3261..3332, 3354..3395, 3405..3482, 3563..3730, 3563..3730, 3737..3763, 3855..4151, 4394..4492		

Seq. No.	17213	Seq. ID	OJ990317_01.9C23.C11
Gene No.	36174	Strand	+
Start	1	End	328
Name	OJ990317_01.9C23.C11.o1.np	Method	AAT/NAP
Start	1	End	328
GI	6815062	Score	288
Exons	1..328		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	17213	Seq. ID	OJ990317_01.9C23.C11
Gene No.	36175	Strand	-
Start	1	End	1583
Name	OJ990317_01.9C23.C11.o2.np	Method	AAT/NAP
Start	1	End	1429
GI	4539658	Score	54
Exons	1..24, 1293..1429		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	17213	Seq. ID	OJ990317_01.9C23.C11
Gene No.	36175	Strand	-
Start	1	End	1583
Name	OJ990317_01.9C23.C11.o1.gs	Method	GENSCAN
Start	46	End	453
GI	none	Score	.73
Exons	46..150, 176..453		

Seq. No.	17213	Seq. ID	OJ990317_01.9C23.C11
Gene No.	36175	Strand	-
Start	1	End	1583
Name	OJ990317_01.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	1188	End	1583
GI	none	Score	97

Exons	1188..1307, 1188..1331, 1189..1323, 1290..1346, 1306..1413, 1306..1416, 1314..1418, 1421..1570, 1422..1583		
Seq. No.	17214	Seq. ID	OJ990317_01.9C23.C12
Gene No.	36176	Strand	+
Start	545	End	2343
Name	OJ990317_01.9C23.C12.o2.np	Method	AAT/NAP
Start	545	End	2343
GI	6069659	Score	103
Exons	545..583, 2097..2199, 2309..2343		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	17214	Seq. ID	OJ990317_01.9C23.C12
Gene No.	36176	Strand	+
Start	545	End	2343
Name	OJ990317_01.9C23.C12.o1.np	Method	AAT/NAP
Start	1385	End	1937
GI	6907088	Score	529
Exons	1385..1522, 1698..1937		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	17214	Seq. ID	OJ990317_01.9C23.C12
Gene No.	36176	Strand	+
Start	545	End	2343
Name	OJ990317_01.9C23.C12.o1.gp	Method	AAT/GAP
Start	2198	End	2343
GI	5667165	Score	255
Exons	2198..2343		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		
Seq. No.	17214	Seq. ID	OJ990317_01.9C23.C12
Gene No.	36177	Strand	-
Start	832	End	1321
Name	OJ990317_01.9C23.C12.o1.gs	Method	GENSCAN
Start	832	End	1321
GI	none	Score	.94
Exons	832..905, 1312..1321		
Seq. No.	17215	Seq. ID	OJ990317_01.9C23.C13
Gene No.	36178	Strand	-
Start	206	End	853
Name	OJ990317_01.9C23.C13.o1.np	Method	AAT/NAP
Start	206	End	802
GI	6002795	Score	821
Exons	206..802		
GI Descrip.	(AF149813) retrotransposon del1-46 homolog [Oryza sativa]		
Seq. No.	17215	Seq. ID	OJ990317_01.9C23.C13
Gene No.	36178	Strand	-
Start	206	End	853
Name	OJ990317_01.9C23.C13.o1.gs	Method	GENSCAN
Start	282	End	802
GI	none	Score	.69
Exons	282..802		
Seq. No.	17215	Seq. ID	OJ990317_01.9C23.C13

Gene No.	36178	Strand	-
Start	206	End	853
Name	OJ990317_01.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	288	End	554
GI	none	Score	176
Exons	288..554, 296..553		

Seq. No.	17215	Seq. ID	OJ990317_01.9C23.C13
Gene No.	36178	Strand	-
Start	206	End	853
Name	OJ990317_01.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	290	End	566
GI	none	Score	182
Exons	290..565, 291..566		

Seq. No.	17215	Seq. ID	OJ990317_01.9C23.C13
Gene No.	36178	Strand	-
Start	206	End	853
Name	OJ990317_01.9C23.C13.o2.tw	Method	TBLASTX:Wheat
Start	569	End	853
GI	none	Score	56
Exons	569..667, 570..644, 743..853, 750..845		

Seq. No.	17216	Seq. ID	OJ990317_01.9C23.C14
Gene No.	36179	Strand	+
Start	161	End	341
Name	OJ990317_01.9C23.C14.o1.gs	Method	GENSCAN
Start	161	End	341
GI	none	Score	.64
Exons	161..341		

Seq. No.	17217	Seq. ID	OJ990317_01.9C23.C16
Gene No.	36180	Strand	+
Start	336	End	816
Name	OJ990317_01.9C23.C16.o1.gs	Method	GENSCAN
Start	336	End	816
GI	none	Score	.98
Exons	336..448, 681..816		

Seq. No.	17217	Seq. ID	OJ990317_01.9C23.C16
Gene No.	36181	Strand	+
Start	1034	End	1657
Name	OJ990317_01.9C23.C16.o1.tw	Method	TBLASTX:Wheat
Start	1017	End	1369
GI	none	Score	65
Exons	1017..1229, 1019..1369, 1105..1218, 1273..1359		

Seq. No.	17217	Seq. ID	OJ990317_01.9C23.C16
Gene No.	36181	Strand	+
Start	1034	End	1657
Name	OJ990317_01.9C23.C16.o2.gs	Method	GENSCAN
Start	1034	End	1657
GI	none	Score	.84
Exons	1034..1657		

Seq. No.	17218	Seq. ID	OJ990317_01.9C23.C17
Gene No.	36182	Strand	+

Start	481	End	613
Name	OJ990317_01.9C23.C17.o1.gs	Method	GENSCAN
Start	481	End	613
GI	none	Score	.5
Exons	481..613		

Seq. No.	17219	Seq. ID	OJ990317_01.9C23.C18
Gene No.	36183	Strand	-
Start	1	End	800
Name	OJ990317_01.9C23.C18.o1.np	Method	AAT/NAP
Start	1	End	800
GI	6815062	Score	1064
Exons	1..315, 392..800		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	17219	Seq. ID	OJ990317_01.9C23.C18
Gene No.	36183	Strand	-
Start	1	End	800
Name	OJ990317_01.9C23.C18.o1.gs	Method	GENSCAN
Start	124	End	553
GI	none	Score	.45
Exons	124..315, 392..553		

Seq. No.	17219	Seq. ID	OJ990317_01.9C23.C18
Gene No.	36183	Strand	-
Start	1	End	800
Name	OJ990317_01.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	253	End	778
GI	none	Score	42
Exons	253..327, 286..318, 389..676, 389..700, 393..698, 728..778		

Seq. No.	17220	Seq. ID	OJ990317_01.9C23.C19
Gene No.	36184	Strand	+
Start	27	End	88
Name	OJ990317_01.9C23.C19.o1.gs	Method	GENSCAN
Start	27	End	88
GI	none	Score	.91
Exons	27..88		

Seq. No.	17221	Seq. ID	OJ990317_01.9C23.C20
Gene No.	36185	Strand	+
Start	396	End	556
Name	OJ990317_01.9C23.C20.o1.gs	Method	GENSCAN
Start	396	End	556
GI	none	Score	.92
Exons	396..556		

Seq. No.	17222	Seq. ID	OJ990317_01.9C23.C21
Gene No.	36186	Strand	-
Start	1	End	151
Name	OJ990317_01.9C23.C21.o1.np	Method	AAT/NAP
Start	1	End	151
GI	6815062	Score	154
Exons	1..151		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC		

F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	17222	Seq. ID	OJ990317_01.9C23.C21
Gene No.	36186	Strand	-
Start	1	End	151
Name	OJ990317_01.9C23.C21.o1.gs	Method	GENSCAN
Start	10	End	131
GI	none	Score	.66
Exons	10..131		

Seq. No.	17223	Seq. ID	OJ990317_01.9C23.C23
Gene No.	36187	Strand	-
Start	66	End	104
Name	OJ990317_01.9C23.C23.o1.gs	Method	GENSCAN
Start	66	End	104
GI	none	Score	.78
Exons	66..104		

Seq. No.	17224	Seq. ID	OJ990317_01.9C23.C24
Gene No.	36188	Strand	+
Start	361	End	990
Name	OJ990317_01.9C23.C24.o1.gs	Method	GENSCAN
Start	361	End	990
GI	none	Score	.5
Exons	361..511, 962..990		

Seq. No.	17225	Seq. ID	OJ990317_01.9C23.C26
Gene No.	36189	Strand	+
Start	478	End	2990
Name	OJ990317_01.9C23.C26.o1.gs	Method	GENSCAN
Start	478	End	2990
GI	none	Score	.81
Exons	478..914, 1141..1548, 1817..2039, 2323..2436, 2517..2990		

Seq. No.	17225	Seq. ID	OJ990317_01.9C23.C26
Gene No.	36190	Strand	-
Start	3534	End	3781
Name	OJ990317_01.9C23.C26.o1.ts	Method	TBLASTX:Soybean
Start	3523	End	3773
GI	none	Score	52
Exons	3523..3564, 3528..3773, 3601..3771, 3606..3773		

Seq. No.	17225	Seq. ID	OJ990317_01.9C23.C26
Gene No.	36190	Strand	-
Start	3534	End	3781
Name	OJ990317_01.9C23.C26.o1.np	Method	AAT/NAP
Start	3534	End	3781
GI	4544372	Score	120
Exons	3534..3781		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o1.gs	Method	GENSCAN

Start	15	End	1952
GI	none	Score	.82
Exons	15..631, 662..1448, 1784..1952		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o2.ts	Method	TBLASTX:Soybean
Start	131	End	529
GI	none	Score	92
Exons	131..529, 309..425		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o1.tm	Method	TBLASTX:Maize
Start	152	End	532
GI	none	Score	95
Exons	152..376, 374..532		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o2.tw	Method	TBLASTX:Wheat
Start	257	End	550
GI	none	Score	147
Exons	257..361, 386..550		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o1.tw	Method	TBLASTX:Wheat
Start	950	End	1348
GI	none	Score	80
Exons	950..1222, 1259..1348		

Seq. No.	17226	Seq. ID	OJ990317_01.9C23.C27
Gene No.	36191	Strand	-
Start	15	End	1952
Name	OJ990317_01.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	983	End	1393
GI	none	Score	82
Exons	983..1234, 1068..1235, 1256..1393, 1260..1391		

Seq. No.	17227	Seq. ID	OJ990317_01.9C23.C28
Gene No.	36192	Strand	+
Start	954	End	1472
Name	OJ990317_01.9C23.C28.o1.tw	Method	TBLASTX:Wheat
Start	755	End	1102
GI	none	Score	117
Exons	755..880, 757..882, 881..1102, 895..1092, 902..1102		

Seq. No.	17227	Seq. ID	OJ990317_01.9C23.C28
Gene No.	36192	Strand	+
Start	954	End	1472
Name	OJ990317_01.9C23.C28.o1.gs	Method	GENSCAN
Start	954	End	1472

GI	none	Score	.66
Exons	954..1152, 1343..1472		

Seq. No.	17228	Seq. ID	OJ990317_01.9C23.C29
Gene No.	36193	Strand	+
Start	320	End	691
Name	OJ990317_01.9C23.C29.o1.gs	Method	GENSCAN
Start	320	End	691
GI	none	Score	.89
Exons	320..401, 597..691		

Seq. No.	17229	Seq. ID	OJ990317_01.9C23.C31
Gene No.	36194	Strand	+
Start	802	End	1492
Name	OJ990317_01.9C23.C31.o1.np	Method	AAT/NAP
Start	802	End	1492
GI	6907088	Score	448
Exons	802..939, 1115..1492		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17229	Seq. ID	OJ990317_01.9C23.C31
Gene No.	36195	Strand	-
Start	254	End	870
Name	OJ990317_01.9C23.C31.o1.gs	Method	GENSCAN
Start	254	End	870
GI	none	Score	.81
Exons	254..327, 816..870		

Seq. No.	17230	Seq. ID	OJ990317_01.9C23.C35
Gene No.	36196	Strand	-
Start	81	End	515
Name	OJ990317_01.9C23.C35.o1.np	Method	AAT/NAP
Start	81	End	515
GI	6002795	Score	415
Exons	81..515		
GI Descrip.	(AF149813) retrotransposon del1-46 homolog [Oryza sativa]		

Seq. No.	17230	Seq. ID	OJ990317_01.9C23.C35
Gene No.	36196	Strand	-
Start	81	End	515
Name	OJ990317_01.9C23.C35.o1.gs	Method	GENSCAN
Start	157	End	413
GI	none	Score	.79
Exons	157..413		

Seq. No.	17230	Seq. ID	OJ990317_01.9C23.C35
Gene No.	36196	Strand	-
Start	81	End	515
Name	OJ990317_01.9C23.C35.o1.tm	Method	TBLASTX:Maize
Start	163	End	429
GI	none	Score	176
Exons	163..429, 171..428		

Seq. No.	17230	Seq. ID	OJ990317_01.9C23.C35
Gene No.	36196	Strand	-
Start	81	End	515
Name	OJ990317_01.9C23.C35.o1.tw	Method	TBLASTX:Wheat

Start	165	End	440
GI	none	Score	177
Exons	165..440, 166..438		

Seq. No.	17231	Seq. ID	OJ990317_01.9C23.C36
Gene No.	36197	Strand	-
Start	391	End	1194
Name	OJ990317_01.9C23.C36.o1.np	Method	AAT/NAP
Start	391	End	1194
GI	4539658	Score	116
Exons	391..569, 1113..1194		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	17231	Seq. ID	OJ990317_01.9C23.C36
Gene No.	36197	Strand	-
Start	391	End	1194
Name	OJ990317_01.9C23.C36.o1.gs	Method	GENSCAN
Start	850	End	923
GI	none	Score	1
Exons	850..923		

Seq. No.	17232	Seq. ID	OJ990317_01.9C23.C37
Gene No.	36198	Strand	+
Start	810	End	1677
Name	OJ990317_01.9C23.C37.o1.np	Method	AAT/NAP
Start	810	End	1677
GI	6907086	Score	961
Exons	810..1677		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17232	Seq. ID	OJ990317_01.9C23.C37
Gene No.	36198	Strand	+
Start	810	End	1677
Name	OJ990317_01.9C23.C37.o1.gs	Method	GENSCAN
Start	1013	End	1546
GI	none	Score	.92
Exons	1013..1546		

Seq. No.	17233	Seq. ID	OJ990317_01.9C23.C38
Gene No.	36199	Strand	+
Start	808	End	963
Name	OJ990317_01.9C23.C38.o1.gs	Method	GENSCAN
Start	808	End	963
GI	none	Score	.54
Exons	808..963		

Seq. No.	17233	Seq. ID	OJ990317_01.9C23.C38
Gene No.	36200	Strand	+
Start	1893	End	2390
Name	OJ990317_01.9C23.C38.o2.gs	Method	GENSCAN
Start	1893	End	2390
GI	none	Score	.69
Exons	1893..2390		

Seq. No.	17234	Seq. ID	OJ990317_01.9C23.C41
Gene No.	36201	Strand	-

Start	217	End	601
Name	OJ990317_01.9C23.C41.o1.np	Method	AAT/NAP
Start	217	End	601
GI	6907088	Score	484
Exons	217..601		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17235	Seq. ID	OJ990317_01.9C23.C44
Gene No.	36202	Strand	-
Start	66	End	444
Name	OJ990317_01.9C23.C44.o1.gs	Method	GENSCAN
Start	66	End	444
GI	none	Score	.69
Exons	66..133, 336..444		

Seq. No.	17236	Seq. ID	OJ990317_01.9C23.C46
Gene No.	36203	Strand	-
Start	1145	End	1257
Name	OJ990317_01.9C23.C46.o1.gs	Method	GENSCAN
Start	1145	End	1257
GI	none	Score	.97
Exons	1145..1257		

Seq. No.	17237	Seq. ID	OJ990317_01.9C23.C47
Gene No.	36204	Strand	-
Start	145	End	240
Name	OJ990317_01.9C23.C47.o1.gs	Method	GENSCAN
Start	145	End	240
GI	none	Score	.89
Exons	145..240		

Seq. No.	17238	Seq. ID	OJ990317_01.9C23.C48
Gene No.	36205	Strand	-
Start	170	End	825
Name	OJ990317_01.9C23.C48.o1.gs	Method	GENSCAN
Start	170	End	825
GI	none	Score	.46
Exons	170..264, 771..825		

Seq. No.	17239	Seq. ID	OJ990317_01.9C23.C50
Gene No.	36206	Strand	-
Start	1231	End	2273
Name	OJ990317_01.9C23.C50.o1.gs	Method	GENSCAN
Start	1231	End	2273
GI	none	Score	.54
Exons	1231..1397, 2123..2273		

Seq. No.	17240	Seq. ID	OJ990317_01.9C23.C51
Gene No.	36207	Strand	+
Start	244	End	556
Name	OJ990317_01.9C23.C51.o1.gs	Method	GENSCAN
Start	244	End	556
GI	none	Score	.5
Exons	244..319, 423..556		

Seq. No.	17241	Seq. ID	OJ990317_01.9C23.C52
Gene No.	36208	Strand	-

Start	687	End	766
Name	OJ990317_01.9C23.C52.o1.gs	Method	GENSCAN
Start	687	End	766
GI	none	Score	.6
Exons	687..766		

Seq. No.	17242	Seq. ID	OJ990317_01.9C23.C53
Gene No.	36209	Strand	-
Start	1748	End	3267
Name	OJ990317_01.9C23.C53.o1.gs	Method	GENSCAN
Start	1748	End	3267
GI	none	Score	.52
Exons	1748..1878, 2084..2216, 2360..2435, 3233..3267		

Seq. No.	17242	Seq. ID	OJ990317_01.9C23.C53
Gene No.	36210	Strand	-
Start	6708	End	12260
Name	OJ990317_01.9C23.C53.o1.np	Method	AAT/NAP
Start	6708	End	12260
GI	5777623	Score	959
Exons	6708..6804, 8307..8544, 9373..9885, 10331..10675, 12191..12260		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	17242	Seq. ID	OJ990317_01.9C23.C53
Gene No.	36210	Strand	-
Start	6708	End	12260
Name	OJ990317_01.9C23.C53.o3.gs	Method	GENSCAN
Start	7497	End	8090
GI	none	Score	.82
Exons	7497..7570, 8036..8090		

Seq. No.	17243	Seq. ID	OJ990317_01.9C23.C54
Gene No.	36211	Strand	+
Start	396	End	1650
Name	OJ990317_01.9C23.C54.o1.gs	Method	GENSCAN
Start	396	End	1650
GI	none	Score	.49
Exons	396..1004, 1234..1356, 1524..1650		

Seq. No.	17244	Seq. ID	OJ990317_01.9C23.C56
Gene No.	36212	Strand	-
Start	272	End	708
Name	OJ990317_01.9C23.C56.o1.gs	Method	GENSCAN
Start	272	End	708
GI	none	Score	.47
Exons	272..573, 701..708		

Seq. No.	17245	Seq. ID	OJ990317_01.9C23.C57
Gene No.	36213	Strand	+
Start	608	End	988
Name	OJ990317_01.9C23.C57.o2.gp	Method	AAT/GAP
Start	608	End	988
GI	uC-osflcyp033a04b1	Score	654
Exons	608..988		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17245	Seq. ID	OJ990317_01.9C23.C57
Gene No.	36214	Strand	-
Start	536	End	1188
Name	OJ990317_01.9C23.C57.o1.np	Method	AAT/NAP
Start	536	End	1188
GI	4680186	Score	236
Exons	536..740, 1121..1188		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17245	Seq. ID	OJ990317_01.9C23.C57
Gene No.	36214	Strand	-
Start	536	End	1188
Name	OJ990317_01.9C23.C57.o1.gs	Method	GENSCAN
Start	588	End	890
GI	none	Score	.77
Exons	588..740, 837..890		

Seq. No.	17246	Seq. ID	OJ990317_01.9C23.C58
Gene No.	36215	Strand	+
Start	1	End	306
Name	OJ990317_01.9C23.C58.o1.gp	Method	AAT/GAP
Start	1	End	306
GI	uC-osflcyp033a04b1	Score	511
Exons	1..306		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17246	Seq. ID	OJ990317_01.9C23.C58
Gene No.	36216	Strand	-
Start	1	End	58
Name	OJ990317_01.9C23.C58.o1.np	Method	AAT/NAP
Start	1	End	58
GI	4680186	Score	91
Exons	1..58		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17247	Seq. ID	OJ990317_01.9C23.C59
Gene No.	36217	Strand	+
Start	66	End	386
Name	OJ990317_01.9C23.C59.o1.gp	Method	AAT/GAP
Start	66	End	386
GI	uC-osflcyp033a04b1	Score	512
Exons	66..386		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17247	Seq. ID	OJ990317_01.9C23.C59
Gene No.	36218	Strand	-
Start	1	End	1158
Name	OJ990317_01.9C23.C59.o1.np	Method	AAT/NAP
Start	1	End	1158
GI	4680186	Score	99
Exons	1..138, 1140..1158		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17248	Seq. ID	OJ990317_01.9C23.C60
Gene No.	36219	Strand	-

Start	363	End	494
Name	OJ990317_01.9C23.C60.o1.gs	Method	GENSCAN
Start	363	End	494
GI	none	Score	.49
Exons	363..494		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.np	Method	AAT/NAP
Start	1	End	2024
GI	4680179	Score	3230
Exons	1..2024		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o5.tm	Method	TBLASTX:Maize
Start	2	End	191
GI	none	Score	127
Exons	2..190, 3..191		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o3.tw	Method	TBLASTX:Wheat
Start	11	End	472
GI	none	Score	281
Exons	11..472, 12..416		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o2.tm	Method	TBLASTX:Maize
Start	194	End	514
GI	none	Score	82
Exons	194..301, 197..514, 198..503		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o2.ts	Method	TBLASTX:Soybean
Start	431	End	691
GI	none	Score	161
Exons	431..691, 432..686		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.tc	Method	TBLASTX:Cress
Start	455	End	781
GI	none	Score	91
Exons	455..598, 456..596, 599..781		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-

Start	1	End	2024
Name	OJ990317_01.9C23.C62.o2.tw	Method	TBLASTX:Wheat
Start	479	End	958
GI	none	Score	284
Exons	479..958, 480..863, 512..940		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o4.tm	Method	TBLASTX:Maize
Start	515	End	829
GI	none	Score	147
Exons	515..829, 516..794		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.gs	Method	GENSCAN
Start	678	End	1915
GI	none	Score	.43
Exons	678..1339, 1436..1915		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.tw	Method	TBLASTX:Wheat
Start	962	End	1471
GI	none	Score	304
Exons	962..1471, 1053..1439		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.tm	Method	TBLASTX:Maize
Start	1046	End	1399
GI	none	Score	140
Exons	1046..1399, 1061..1357, 1131..1397		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o3.ts	Method	TBLASTX:Soybean
Start	1220	End	1462
GI	none	Score	191
Exons	1220..1462		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o3.tm	Method	TBLASTX:Maize
Start	1436	End	1936
GI	none	Score	56
Exons	1436..1771, 1445..1684, 1757..1936		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024

Name	OJ990317_01.9C23.C62.o4.tw	Method	TBLASTX:Wheat
Start	1472	End	1774
GI	none	Score	201
Exons	1472..1774, 1473..1736		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o1.ts	Method	TBLASTX:Soybean
Start	1487	End	1882
GI	none	Score	126
Exons	1487..1846, 1488..1730, 1705..1839, 1769..1843, 1850..1882, 1850..1882		

Seq. No.	17249	Seq. ID	OJ990317_01.9C23.C62
Gene No.	36220	Strand	-
Start	1	End	2024
Name	OJ990317_01.9C23.C62.o5.tw	Method	TBLASTX:Wheat
Start	1775	End	2024
GI	none	Score	133
Exons	1775..1945, 1802..1918, 1821..1949, 1949..2023, 1953..2024		

Seq. No.	17250	Seq. ID	OJ990317_01.9C23.C63
Gene No.	36221	Strand	-
Start	1	End	1246
Name	OJ990317_01.9C23.C63.o1.np	Method	AAT/NAP
Start	1	End	1246
GI	6721517	Score	1652
Exons	1..1006, 1055..1246		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	17250	Seq. ID	OJ990317_01.9C23.C63
Gene No.	36221	Strand	-
Start	1	End	1246
Name	OJ990317_01.9C23.C63.o1.tw	Method	TBLASTX:Wheat
Start	64	End	425
GI	none	Score	192
Exons	64..318, 66..320, 326..421, 333..425		

Seq. No.	17250	Seq. ID	OJ990317_01.9C23.C63
Gene No.	36221	Strand	-
Start	1	End	1246
Name	OJ990317_01.9C23.C63.o1.tm	Method	TBLASTX:Maize
Start	121	End	412
GI	none	Score	156
Exons	121..312, 123..314, 335..412, 339..410		

Seq. No.	17250	Seq. ID	OJ990317_01.9C23.C63
Gene No.	36221	Strand	-
Start	1	End	1246
Name	OJ990317_01.9C23.C63.o2.tw	Method	TBLASTX:Wheat
Start	596	End	950
GI	none	Score	75
Exons	596..949, 632..766, 810..950		

Seq. No.	17250	Seq. ID	OJ990317_01.9C23.C63
Gene No.	36221	Strand	-

Start	1	End	1246
Name	OJ990317_01.9C23.C63.o2.tm	Method	TBLASTX:Maize
Start	683	End	1003
GI	none	Score	210
Exons	683..1003		

Seq. No.	17251	Seq. ID	OJ990317_01.9C23.C64
Gene No.	36222	Strand	-
Start	362	End	2020
Name	OJ990317_01.9C23.C64.o1.gs	Method	GENSCAN
Start	362	End	2017
GI	none	Score	.52
Exons	362..381, 727..2017		

Seq. No.	17251	Seq. ID	OJ990317_01.9C23.C64
Gene No.	36222	Strand	-
Start	362	End	2020
Name	OJ990317_01.9C23.C64.o1.np	Method	AAT/NAP
Start	652	End	2020
GI	4680179	Score	1527
Exons	652..2020		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17251	Seq. ID	OJ990317_01.9C23.C64
Gene No.	36222	Strand	-
Start	362	End	2020
Name	OJ990317_01.9C23.C64.o2.tw	Method	TBLASTX:Wheat
Start	707	End	943
GI	none	Score	78
Exons	707..871, 729..824, 878..943		

Seq. No.	17251	Seq. ID	OJ990317_01.9C23.C64
Gene No.	36222	Strand	-
Start	362	End	2020
Name	OJ990317_01.9C23.C64.o1.tm	Method	TBLASTX:Maize
Start	1211	End	1507
GI	none	Score	104
Exons	1211..1507, 1320..1490		

Seq. No.	17251	Seq. ID	OJ990317_01.9C23.C64
Gene No.	36222	Strand	-
Start	362	End	2020
Name	OJ990317_01.9C23.C64.o1.tw	Method	TBLASTX:Wheat
Start	1388	End	1751
GI	none	Score	82
Exons	1388..1747, 1389..1622, 1647..1751		

Seq. No.	17252	Seq. ID	OJ990317_01.9C23.C65
Gene No.	36223	Strand	+
Start	1	End	1767
Name	OJ990317_01.9C23.C65.o1.np	Method	AAT/NAP
Start	1	End	1767
GI	5295955	Score	545
Exons	1..79, 473..600, 881..1767		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	17253	Seq. ID	OJ990317_01.9C23.C67
Gene No.	36224	Strand	+
Start	1	End	732
Name	OJ990317_01.9C23.C67.o1.np	Method	AAT/NAP
Start	1	End	732
GI	5777623	Score	552
Exons	1..732		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	17254	Seq. ID	OJ990317_01.9C23.C68
Gene No.	36225	Strand	-
Start	1	End	841
Name	OJ990317_01.9C23.C68.o1.np	Method	AAT/NAP
Start	1	End	841
GI	4680179	Score	460
Exons	1..588, 691..841		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17254	Seq. ID	OJ990317_01.9C23.C68
Gene No.	36225	Strand	-
Start	1	End	841
Name	OJ990317_01.9C23.C68.o1.tw	Method	TBLASTX:Wheat
Start	155	End	554
GI	none	Score	78
Exons	155..319, 204..323, 332..553, 399..554		

Seq. No.	17254	Seq. ID	OJ990317_01.9C23.C68
Gene No.	36225	Strand	-
Start	1	End	841
Name	OJ990317_01.9C23.C68.o1.tm	Method	TBLASTX:Maize
Start	236	End	560
GI	none	Score	56
Exons	236..556, 236..559, 447..560		

Seq. No.	17255	Seq. ID	OJ990317_01.9C23.C69
Gene No.	36226	Strand	-
Start	1	End	1621
Name	OJ990317_01.9C23.C69.o1.np	Method	AAT/NAP
Start	1	End	976
GI	4680179	Score	430
Exons	1..976		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17255	Seq. ID	OJ990317_01.9C23.C69
Gene No.	36226	Strand	-
Start	1	End	1621
Name	OJ990317_01.9C23.C69.o1.gs	Method	GENSCAN
Start	53	End	1621
GI	none	Score	.45
Exons	53..1147, 1439..1621		

Seq. No.	17255	Seq. ID	OJ990317_01.9C23.C69
Gene No.	36226	Strand	-
Start	1	End	1621
Name	OJ990317_01.9C23.C69.o1.tm	Method	TBLASTX:Maize
Start	98	End	499
GI	none	Score	240

Exons	98..499		
Seq. No.	17255	Seq. ID	OJ990317_01.9C23.C69
Gene No.	36226	Strand	-
Start	1	End	1621
Name	OJ990317_01.9C23.C69.o1.tw	Method	TBLASTX:Wheat
Start	380	End	757
GI	none	Score	268
Exons	380..757		
Seq. No.	17255	Seq. ID	OJ990317_01.9C23.C69
Gene No.	36226	Strand	-
Start	1	End	1621
Name	OJ990317_01.9C23.C69.o2.np	Method	AAT/NAP
Start	1467	End	1595
GI	6002794	Score	183
Exons	1467..1595		
GI Descrip.	(AF149813) unknown [Oryza sativa]		
Seq. No.	17256	Seq. ID	OJ990317_01.9C23.C70
Gene No.	36227	Strand	+
Start	1	End	2718
Name	OJ990317_01.9C23.C70.o2.np	Method	AAT/NAP
Start	1	End	2718
GI	5295955	Score	275
Exons	1..42, 1050..1170, 1713..1827, 2508..2718		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	17256	Seq. ID	OJ990317_01.9C23.C70
Gene No.	36228	Strand	-
Start	1	End	1880
Name	OJ990317_01.9C23.C70.o1.np	Method	AAT/NAP
Start	1	End	929
GI	6907086	Score	623
Exons	1..492, 550..929		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	17256	Seq. ID	OJ990317_01.9C23.C70
Gene No.	36228	Strand	-
Start	1	End	1880
Name	OJ990317_01.9C23.C70.o1.gs	Method	GENSCAN
Start	567	End	1880
GI	none	Score	.86
Exons	567..1004, 1010..1167, 1817..1880		
Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868
Name	OJ990317_01.9C23.C71.o1.gs	Method	GENSCAN
Start	204	End	857
GI	none	Score	.98
Exons	204..857		
Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868

Name	OJ990317_01.9C23.C71.o1.np	Method	AAT/NAP
Start	207	End	868
GI	4680179	Score	1026
Exons	207..868		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868
Name	OJ990317_01.9C23.C71.o2.tm	Method	TBLASTX:Maize
Start	231	End	443
GI	none	Score	193
Exons	231..443		

Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868
Name	OJ990317_01.9C23.C71.o1.tw	Method	TBLASTX:Wheat
Start	252	End	680
GI	none	Score	151
Exons	252..680, 316..654		

Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868
Name	OJ990317_01.9C23.C71.o1.tm	Method	TBLASTX:Maize
Start	444	End	867
GI	none	Score	253
Exons	444..866, 448..867		

Seq. No.	17257	Seq. ID	OJ990317_01.9C23.C71
Gene No.	36229	Strand	-
Start	204	End	868
Name	OJ990317_01.9C23.C71.o2.tw	Method	TBLASTX:Wheat
Start	681	End	867
GI	none	Score	151
Exons	681..854, 682..867		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36230	Strand	+
Start	1067	End	1489
Name	OJ990907_04.9C03.C2.o1.gp	Method	AAT/GAP
Start	1067	End	1489
GI	none	Score	648
Exons	1067..1221, 1309..1489		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36231	Strand	-
Start	645	End	2901
Name	OJ990907_04.9C03.C2.o1.gs	Method	GENSCAN
Start	645	End	2901
GI	none	Score	.85
Exons	645..713, 788..859, 959..1030, 1289..1450, 1549..1751, 2378..2449, 2544..2764, 2814..2901		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36232	Strand	-

Start	2811	End	3005
Name	OJ990907_04.9C03.C2.o2.gp	Method	AAT/GAP
Start	2811	End	3005
GI	none	Score	285
Exons	2811..3005		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36233	Strand	-
Start	5668	End	9817
Name	OJ990907_04.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	485	End	1422
GI	none	Score	44
Exons	485..559, 501..584, 611..712, 620..706, 633..713, 645..713, 646..714, 785..811, 823..858, 823..858, 958..1029, 1097..1162, 1110..1181, 1111..1182, 1112..1186, 1259..1369, 1262..1357, 1291..1371, 1342..1422		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36233	Strand	-
Start	5668	End	9817
Name	OJ990907_04.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	787	End	2656
GI	none	Score	39
Exons	787..858, 958..1029, 1114..1143, 1256..1324, 1291..1323, 1306..1437, 1306..1431, 1336..1470, 1337..1450, 1548..1616, 1702..1791, 2543..2656		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36233	Strand	-
Start	5668	End	9817
Name	OJ990907_04.9C03.C2.o2.gs	Method	GENSCAN
Start	5668	End	9817
GI	none	Score	.54
Exons	5668..5758, 6538..6604, 6688..6739, 7728..7886, 7982..8031, 9522..9817		

Seq. No.	17258	Seq. ID	OJ990907_04.9C03.C2
Gene No.	36233	Strand	-
Start	5668	End	9817
Name	OJ990907_04.9C03.C2.o3.gp	Method	AAT/GAP
Start	7795	End	8116
GI	LIB3433-046-P1-K1-C9	Score	339
Exons	7795..7886, 8006..8116		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36234	Strand	+
Start	2803	End	9943
Name	OJ990907_04.9C03.C3.o1.gs	Method	GENSCAN
Start	2803	End	9943
GI	none	Score	.82
Exons	2803..2838, 5123..5468, 5996..6205, 6520..6587, 6678..6752, 6957..7307, 7610..7662, 7884..8028, 8516..8568, 8922..9023, 9113..9491, 9597..9648, 9705..9943		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3

Gene No.	36234	Strand	+
Start	2803	End	9943
Name	OJ990907_04.9C03.C3.o2.gp	Method	AAT/GAP
Start	2815	End	5430
GI	3761975	Score	805
Exons	2815..2838, 4679..4785, 4919..5040, 5123..5186, 5277..5430		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36234	Strand	+
Start	2803	End	9943
Name	OJ990907_04.9C03.C3.o1.np	Method	AAT/NAP
Start	6315	End	8203
GI	6856203	Score	195
Exons	6315..6371, 7077..7475, 7578..7662, 7831..8028, 8114..8203		
GI Descrip.	(AF180473) Not2p [Homo sapiens]		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36234	Strand	+
Start	2803	End	9943
Name	OJ990907_04.9C03.C3.o3.gp	Method	AAT/GAP
Start	7994	End	8782
GI	77266_1.R1084	Score	814
Exons	7994..8028, 8111..8221, 8339..8408, 8516..8782		
GI Descrip.	'3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]'		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36235	Strand	+
Start	10715	End	14632
Name	OJ990907_04.9C03.C3.o2.gs	Method	GENSCAN
Start	10715	End	14632
GI	none	Score	.88
Exons	10715..10753, 12238..12673, 13524..13933, 14057..14632		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36236	Strand	+
Start	15886	End	16856
Name	OJ990907_04.9C03.C3.o3.gs	Method	GENSCAN
Start	15886	End	16856
GI	none	Score	.45
Exons	15886..15973, 16693..16856		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36237	Strand	-
Start	18077	End	24238
Name	OJ990907_04.9C03.C3.o4.gp	Method	AAT/GAP
Start	17393	End	17488
GI	uC-osf1cyp022c06b2	Score	142
Exons	17393..17488		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36237	Strand	-
Start	18077	End	24238
Name	OJ990907_04.9C03.C3.o4.gs	Method	GENSCAN

Start	18077	End	24238
GI	none	Score	.83
Exons	18077..18496, 18761..18885, 19069..19234, 19414..19549, 19659..19745, 20453..20475, 21381..21635, 22933..22971, 23276..23414, 23673..23804, 23889..24238		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36238	Strand	-
Start	26276	End	29217
Name	OJ990907_04.9C03.C3.o5.gp	Method	AAT/GAP
Start	26276	End	29217
GI	16970_1.R1084	Score	1568
Exons	26276..26681, 27056..27204, 27690..27791, 27879..27954, 28148..28185, 29131..29217		
GI Descrip.	'1710521/sp|P50888|RL24_HORVU 4.0e-58 60S RIBOSOMAL PROTEIN L24 >gi_1154859_emb_CAA63960_ (X94296) L24 ribosomal protein [Hordeum vulgare]'		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36238	Strand	-
Start	26276	End	29217
Name	OJ990907_04.9C03.C3.o2.np	Method	AAT/NAP
Start	26537	End	27965
GI	1710521	Score	660
Exons	26537..26681, 27056..27204, 27690..27791, 27879..27965		
GI Descrip.	60S RIBOSOMAL PROTEIN L24 gi|1154859|emb|CAA63960| (X94296) L24 ribosomal protein [Hordeum vulgare]		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	4678	End	7662
GI	none	Score	41
Exons	4678..4722, 4679..4726, 4723..4788, 4725..4787, 4864..5043, 4890..5030, 4894..5058, 5126..5416, 5126..5404, 6005..6205, 6005..6205, 6006..6221, 6007..6210, 6293..6370, 6316..6381, 6318..6386, 6321..6380, 6509..6586, 6516..6593, 6520..6588, 6522..6593, 6677..6730, 6679..6729, 6720..6755, 6912..7151, 6946..7146, 6956..7162, 6957..7175, 7206..7310, 7264..7323, 7277..7351, 7278..7355, 7345..7500, 7352..7501, 7621..7662, 7626..7661		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	7035	End	7935
GI	none	Score	68
Exons	7035..7169, 7259..7351, 7260..7355, 7351..7500, 7352..7498, 7619..7660, 7731..7775, 7894..7935		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	11033	End	11308

GI	none	Score	102
Exons	11033..11080, 11084..11167, 11159..11308		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	11120	End	11596
GI	none	Score	67
Exons	11120..11167, 11225..11308, 11311..11595, 11345..11596		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	26532	End	27957
GI	none	Score	112
Exons	26532..26621, 26533..26619, 26652..26681, 27055..27204, 27092..27205, 27092..27205, 27130..27207, 27675..27794, 27676..27792, 27688..27795, 27690..27794, 27867..27953, 27867..27956, 27877..27954, 27877..27957		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	27055	End	27957
GI	none	Score	119
Exons	27055..27204, 27092..27193, 27676..27774, 27688..27792, 27690..27794, 27690..27794, 27864..27956, 27877..27957, 27877..27957		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	27055	End	27957
GI	none	Score	125
Exons	27055..27204, 27092..27193, 27688..27792, 27690..27794, 27867..27956, 27877..27957		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	27139	End	27957
GI	none	Score	96
Exons	27139..27204, 27140..27205, 27141..27206, 27675..27794, 27676..27795, 27867..27956, 27877..27954, 27877..27957		

Seq. No.	17259	Seq. ID	OJ990907_04.9C03.C3
Gene No.	36239	Strand	-
Start	30946	End	35705
Name	OJ990907_04.9C03.C3.o3.np	Method	AAT/NAP
Start	30946	End	35705
GI	2231329	Score	71
Exons	30946..31045, 31937..32119, 35645..35705		

GI Descrip. (U77049) bactinecin 11 [Ovis aries]

Seq. No.	17260	Seq. ID	OJ990907_04.9C03.C4
Gene No.	36240	Strand	+
Start	454	End	831
Name	OJ990907_04.9C03.C4.o1.gs	Method	GENSCAN
Start	454	End	831
GI	none	Score	.8
Exons	454..532, 770..831		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36241	Strand	+
Start	215	End	4282
Name	OJ990907_04.9C03.C7.o1.gp	Method	AAT/GAP
Start	215	End	1261
GI	72738_1.R1084	Score	1353
Exons	215..453, 570..631, 840..1261		
GI Descrip.	'1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]'		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36241	Strand	+
Start	215	End	4282
Name	OJ990907_04.9C03.C7.o1.gs	Method	GENSCAN
Start	360	End	4282
GI	none	Score	.41
Exons	360..453, 840..922, 3400..3513, 3647..3769, 4052..4282		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36242	Strand	+
Start	12760	End	12825
Name	OJ990907_04.9C03.C7.o2.gp	Method	AAT/GAP
Start	12760	End	12825
GI	5607332	Score	77
Exons	12760..12825		
GI Descrip.	1877026/dbj|BAA11351| 3.0e-42 (D78336) ribosomal protein S19 [Oryza sativa]		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36243	Strand	+
Start	12824	End	15437
Name	OJ990907_04.9C03.C7.o2.np	Method	AAT/NAP
Start	12824	End	15437
GI	1173302	Score	94
Exons	12824..12911, 13186..13330, 15251..15437		
GI Descrip.	MITOCHONDRIAL RIBOSOMAL PROTEIN S3 gi|769732|dbj|BAA04792| (D21251) ribosomal protein S3 [Oryza sativa]		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36244	Strand	+
Start	17838	End	18632
Name	OJ990907_04.9C03.C7.o6.gs	Method	GENSCAN
Start	17838	End	18632
GI	none	Score	.99
Exons	17838..18084, 18319..18632		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7

Gene No.	36245	Strand	+
Start	24983	End	26538
Name	OJ990907_04.9C03.C7.o9.gs	Method	GENSCAN
Start	24983	End	26538
GI	none	Score	.83
Exons	24983..25087, 25105..25263, 25335..25452, 26131..26367, 26399..26538		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o3.np	Method	AAT/NAP
Start	1	End	26299
GI	5734709	Score	221
Exons	1..20, 7325..7430, 13744..13930, 15436..15613, 15837..16011, 26136..26299		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o1.np	Method	AAT/NAP
Start	8348	End	9246
GI	4234852	Score	831
Exons	8348..9246		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o3.gp	Method	AAT/GAP
Start	13789	End	14161
GI	67061_1.R1084	Score	722
Exons	13789..14161		
GI Descrip.	'576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3''-end sequence'		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	14253	End	14682
GI	none	Score	83
Exons	14253..14312, 14254..14310, 14255..14335, 14422..14535, 14449..14532, 14450..14542, 14454..14543, 14632..14682, 14634..14681, 14635..14682		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o5.gs	Method	GENSCAN
Start	14941	End	17101
GI	none	Score	.41
Exons	14941..15006, 15644..15713, 16393..16530, 16732..16846, 16930..17101		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o8.gs	Method	GENSCAN
Start	21965	End	24184
GI	none	Score	.65
Exons	21965..22868, 23283..23409, 23482..23569, 23913..23963, 23978..24184		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	22092	End	22627
GI	none	Score	56
Exons	22092..22145, 22265..22417, 22265..22594, 22266..22508, 22587..22625, 22595..22627		

Seq. No.	17261	Seq. ID	OJ990907_04.9C03.C7
Gene No.	36246	Strand	-
Start	1	End	26299
Name	OJ990907_04.9C03.C7.o4.gp	Method	AAT/GAP
Start	22750	End	23605
GI	uC-osflcyp107g11b1	Score	906
Exons	22750..22868, 23044..23106, 23283..23605		
GI Descrip.	'4204263 1.0e-10 (AC005223) 40409 [Arabidopsis thaliana]'		

Seq. No.	17262	Seq. ID	OJ990907_04.9C03.C8
Gene No.	36247	Strand	-
Start	1	End	912
Name	OJ990907_04.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	912
GI	5257279	Score	610
Exons	1..912		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	17262	Seq. ID	OJ990907_04.9C03.C8
Gene No.	36247	Strand	-
Start	1	End	912
Name	OJ990907_04.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	3	End	356
GI	none	Score	77
Exons	3..239, 4..165, 99..197, 300..356		

Seq. No.	17262	Seq. ID	OJ990907_04.9C03.C8
Gene No.	36247	Strand	-
Start	1	End	912
Name	OJ990907_04.9C03.C8.o1.gs	Method	GENSCAN
Start	63	End	655
GI	none	Score	.92
Exons	63..655		

Seq. No.	17263	Seq. ID	OJ990907_04.9C03.C9
Gene No.	36248	Strand	-
Start	2613	End	2773
Name	OJ990907_04.9C03.C9.o2.gs	Method	GENSCAN

Start	2613	End	2773
GI	none	Score	.8
Exons	2613..2773		

Seq. No.	17264	Seq. ID	OJ990907_04.9C03.C10
Gene No.	36249	Strand	+
Start	796	End	1664
Name	OJ990907_04.9C03.C10.o1.gs	Method	GENSCAN
Start	796	End	1664
GI	none	Score	.51
Exons	796..880, 972..1048, 1236..1664		

Seq. No.	17264	Seq. ID	OJ990907_04.9C03.C10
Gene No.	36250	Strand	-
Start	2041	End	2667
Name	OJ990907_04.9C03.C10.o2.gs	Method	GENSCAN
Start	2041	End	2667
GI	none	Score	.57
Exons	2041..2189, 2214..2282, 2607..2667		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36251	Strand	+
Start	676	End	3921
Name	OJ990907_04.9C03.C11.o1.gs	Method	GENSCAN
Start	676	End	3921
GI	none	Score	.55
Exons	676..1741, 1769..1937, 2041..3460, 3562..3921		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36251	Strand	+
Start	676	End	3921
Name	OJ990907_04.9C03.C11.o1.np	Method	AAT/NAP
Start	676	End	3918
GI	6907089	Score	4283
Exons	676..1937, 2041..3918		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36252	Strand	+
Start	15430	End	16603
Name	OJ990907_04.9C03.C11.o4.np	Method	AAT/NAP
Start	15430	End	16603
GI	6721519	Score	85
Exons	15430..15492, 16141..16177, 16388..16603		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36253	Strand	-
Start	4541	End	14505
Name	OJ990907_04.9C03.C11.o2.gs	Method	GENSCAN
Start	4541	End	11625
GI	none	Score	.52
Exons	4541..4679, 4892..7812, 7896..8078, 8157..8369, 8396..8580, 8611..8710, 8747..9246, 9252..9322, 9360..9552, 9661..9797, 9815..10509, 10563..10769, 11121..11164, 11280..11349, 11394..11498, 11614..11625		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36253	Strand	-
Start	4541	End	14505
Name	OJ990907_04.9C03.C11.o2.np	Method	AAT/NAP
Start	4544	End	9986
GI	6498441	Score	7062
Exons	4544..4824, 4918..6315, 6487..7210, 7385..7519, 7703..8078, 8142..8604, 8935..9986		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36253	Strand	-
Start	4541	End	14505
Name	OJ990907_04.9C03.C11.o3.np	Method	AAT/NAP
Start	8199	End	13541
GI	1076802	Score	108
Exons	8199..8320, 9706..10129, 13093..13541		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36253	Strand	-
Start	4541	End	14505
Name	OJ990907_04.9C03.C11.o3.gs	Method	GENSCAN
Start	12634	End	14505
GI	none	Score	.51
Exons	12634..12711, 13200..13479, 14492..14505		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o7.tw	Method	TBLASTX:Wheat
Start	4553	End	5130
GI	none	Score	77
Exons	4553..4678, 4557..4679, 4738..5106, 4865..5128, 4870..5130		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	5135	End	5536
GI	none	Score	242
Exons	5135..5536, 5155..5535		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	5341	End	5673
GI	none	Score	86
Exons	5341..5553, 5350..5673, 5363..5644		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11

Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o8.tw	Method	TBLASTX:Wheat
Start	5866	End	6178
GI	none	Score	58
Exons	5866..6126, 5977..6165, 5990..6178		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	5926	End	6492
GI	5666795	Score	68
Exons	5926..6126, 6181..6318, 6394..6492		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	6181	End	6639
GI	none	Score	80
Exons	6181..6330, 6182..6319, 6196..6321, 6374..6550, 6391..6615, 6418..6639		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	7048	End	7419
GI	none	Score	81
Exons	7048..7419, 7259..7402		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	7073	End	7498
GI	none	Score	321
Exons	7073..7498, 7075..7497		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	7171	End	7555
GI	none	Score	220
Exons	7171..7554, 7190..7555		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	7582	End	7940
GI	none	Score	67
Exons	7582..7698, 7582..7860, 7592..7861, 7860..7940		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	7606	End	8070
GI	none	Score	215
Exons	7606..7857, 7610..7861, 7613..7858, 7626..7868, 7863..8069, 7873..8070		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	8235	End	8720
GI	none	Score	105
Exons	8235..8390, 8370..8525, 8381..8719, 8387..8707, 8547..8720		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o6.tw	Method	TBLASTX:Wheat
Start	9458	End	9796
GI	none	Score	99
Exons	9458..9715, 9492..9731, 9698..9796, 9699..9779		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	9560	End	9808
GI	none	Score	107
Exons	9560..9808, 9561..9806		

Seq. No.	17265	Seq. ID	OJ990907_04.9C03.C11
Gene No.	36254	Strand	-
Start	14908	End	15678
Name	OJ990907_04.9C03.C11.o4.gs	Method	GENSCAN
Start	14908	End	15678
GI	none	Score	.51
Exons	14908..14922, 15001..15084, 15673..15678		

Seq. No.	17266	Seq. ID	OJ990907_04.9C03.C12
Gene No.	36255	Strand	+
Start	319	End	488
Name	OJ990907_04.9C03.C12.o1.gs	Method	GENSCAN
Start	319	End	488
GI	none	Score	.69
Exons	319..406, 473..488		

Seq. No.	17266	Seq. ID	OJ990907_04.9C03.C12
Gene No.	36256	Strand	-
Start	1	End	613
Name	OJ990907_04.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	613
GI	2126090	Score	1056
Exons	1..613		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli		

gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]

Seq. No.	17267	Seq. ID	OJ990917_07.9C01.C1
Gene No.	36257	Strand	
Start	458	End	759
Name	OJ990917_07.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	458	End	759
GI	none	Score	100
Exons	458..607, 492..608, 493..609, 682..759, 683..751, 684..758		

Seq. No.	17268	Seq. ID	OJ990917_07.9C01.C4
Gene No.	36258	Strand	-
Start	1	End	2772
Name	OJ990917_07.9C01.C4.o1.np	Method	AAT/NAP
Start	1	End	2357
GI	6728879	Score	324
Exons	1..31, 1023..1351, 1496..1646, 1746..1862, 1927..2027, 2247..2357		
GI Descrip.	(AC008113) F12A21.7 [Arabidopsis thaliana]		

Seq. No.	17268	Seq. ID	OJ990917_07.9C01.C4
Gene No.	36258	Strand	-
Start	1	End	2772
Name	OJ990917_07.9C01.C4.o1.gs	Method	GENSCAN
Start	1089	End	2678
GI	none	Score	.77
Exons	1089..1379, 1496..1646, 1746..1832, 1927..2678		

Seq. No.	17268	Seq. ID	OJ990917_07.9C01.C4
Gene No.	36258	Strand	-
Start	1	End	2772
Name	OJ990917_07.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	1533	End	2307
GI	none	Score	116
Exons	1533..1649, 1535..1654, 1746..1862, 1748..1834, 1749..1835, 1920..2000, 1975..2028, 1977..2030, 2247..2306, 2248..2307		

Seq. No.	17268	Seq. ID	OJ990917_07.9C01.C4
Gene No.	36258	Strand	-
Start	1	End	2772
Name	OJ990917_07.9C01.C4.o1.gp	Method	AAT/GAP
Start	2318	End	2772
GI	55683_1.R1084	Score	868
Exons	2318..2772		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	17269	Seq. ID	OJ990917_07.9C01.C5
Gene No.	36259	Strand	-
Start	693	End	6085
Name	OJ990917_07.9C01.C5.o1.gs	Method	GENSCAN
Start	693	End	6085
GI	none	Score	.69

Exons	693..842, 1873..2077, 3095..3212, 3253..3356, 3484..3630, 6083..6085		
Seq. No.	17270	Seq. ID	OJ990917_07.9C01.C6
Gene No.	36260	Strand	+
Start	1882	End	2330
Name	OJ990917_07.9C01.C6.o1.gs	Method	GENSCAN
Start	1882	End	2330
GI	none	Score	.7
Exons	1882..1961, 2213..2330		
Seq. No.	17270	Seq. ID	OJ990917_07.9C01.C6
Gene No.	36261	Strand	-
Start	263	End	512
Name	OJ990917_07.9C01.C6.o1.gp	Method	AAT/GAP
Start	263	End	512
GI	3761181	Score	404
Exons	263..512		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		
Seq. No.	17270	Seq. ID	OJ990917_07.9C01.C6
Gene No.	36262	Strand	-
Start	1822	End	6650
Name	OJ990917_07.9C01.C6.o1.np	Method	AAT/NAP
Start	1822	End	6650
GI	5091513	Score	1476
Exons	1822..2290, 2442..2645, 3098..3420, 3476..4209, 4963..5592, 6628..6650		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	17270	Seq. ID	OJ990917_07.9C01.C6
Gene No.	36262	Strand	-
Start	1822	End	6650
Name	OJ990917_07.9C01.C6.o2.gs	Method	GENSCAN
Start	3101	End	3697
GI	none	Score	.95
Exons	3101..3697		
Seq. No.	17270	Seq. ID	OJ990917_07.9C01.C6
Gene No.	36262	Strand	-
Start	1822	End	6650
Name	OJ990917_07.9C01.C6.o3.gs	Method	GENSCAN
Start	3814	End	5510
GI	none	Score	.95
Exons	3814..4224, 5015..5263, 5355..5510		
Seq. No.	17271	Seq. ID	OJ990917_07.9C01.C7
Gene No.	36263	Strand	-
Start	107	End	414
Name	OJ990917_07.9C01.C7.o1.gp	Method	AAT/GAP
Start	107	End	414
GI	72524_1.R1084	Score	426
Exons	107..414		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17271	Seq. ID	OJ990917_07.9C01.C7
Gene No.	36264	Strand	-
Start	413	End	630
Name	OJ990917_07.9C01.C7.o2.gp	Method	AAT/GAP
Start	413	End	630
GI	8022_1.R1084	Score	290
Exons	413..630		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36265	Strand	+
Start	386	End	5574
Name	OJ990917_07.9C01.C8.o1.gs	Method	GENSCAN
Start	386	End	4195
GI	none	Score	.77
Exons	386..451, 546..690, 737..775, 864..929, 1963..2121, 2216..2340, 2409..2603, 2895..3429, 3664..3864, 3948..4195		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36265	Strand	+
Start	386	End	5574
Name	OJ990917_07.9C01.C8.o1.np	Method	AAT/NAP
Start	1178	End	5574
GI	6907089	Score	256
Exons	1178..1243, 1425..2121, 5530..5574		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36266	Strand	+
Start	9555	End	13012
Name	OJ990917_07.9C01.C8.o3.np	Method	AAT/NAP
Start	9555	End	13012
GI	6721512	Score	148
Exons	9555..9578, 11158..11312, 11340..11482, 12976..13012		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o2.gs	Method	GENSCAN
Start	5306	End	21944
GI	none	Score	.53
Exons	5306..5501, 5864..6019, 6356..6519, 6674..6824, 6829..7088, 7100..7499, 7680..8074, 8316..8390, 8675..9373, 9440..10113, 10185..11258, 12300..12411, 13228..13338, 13457..13506, 13938..14125, 14181..14321, 18748..18990, 19075..19172, 21942..21944		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	6603	End	7219
GI	none	Score	63
Exons	6603..6734, 6604..6729, 6759..7076, 6955..7062, 7058..7219, 7107..7178		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o2.np	Method	AAT/NAP
Start	6627	End	8142
GI	5922631	Score	1179
Exons	6627..7834, 7874..8142		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o3.tm	Method	TBLASTX:Maize
Start	6726	End	6989
GI	none	Score	185
Exons	6726..6989		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o2.tw	Method	TBLASTX:Wheat
Start	7221	End	7586
GI	none	Score	186
Exons	7221..7586, 7223..7585		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	7412	End	7717
GI	none	Score	148
Exons	7412..7717, 7413..7700		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o3.tw	Method	TBLASTX:Wheat
Start	8223	End	8666
GI	none	Score	73
Exons	8223..8459, 8244..8408, 8272..8457, 8496..8666, 8497..8631		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8
Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o4.tw	Method	TBLASTX:Wheat
Start	9260	End	9658
GI	none	Score	83
Exons	9260..9658, 9360..9635		

Seq. No.	17272	Seq. ID	OJ990917_07.9C01.C8

Gene No.	36267	Strand	-
Start	5306	End	21944
Name	OJ990917_07.9C01.C8.o2.tm	Method	TBLASTX:Maize
Start	9422	End	9682
GI	none	Score	192
Exons	9422..9682		

Seq. No.	17273	Seq. ID	OJ990917_07.9C01.C9
Gene No.	36268	Strand	-
Start	137	End	3237
Name	OJ990917_07.9C01.C9.o1.gs	Method	GENSCAN
Start	137	End	3237
GI	none	Score	.66
Exons	137..269, 1500..1522, 1738..1906, 1924..2041, 2062..2209, 3125..3237		

Seq. No.	17274	Seq. ID	OJ990917_07.9C01.C10
Gene No.	36269	Strand	+
Start	1	End	79
Name	OJ990917_07.9C01.C10.o1.gp	Method	AAT/GAP
Start	1	End	79
GI	uC-osflM202097d10b1	Score	116
Exons	1..79		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36270	Strand	+
Start	3043	End	3320
Name	OJ990917_07.9C01.C11.o1.gp	Method	AAT/GAP
Start	3043	End	3320
GI	none	Score	552
Exons	3043..3320		

Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36271	Strand	+
Start	3735	End	4259
Name	OJ990917_07.9C01.C11.o2.gs	Method	GENSCAN
Start	3735	End	4259
GI	none	Score	.98
Exons	3735..4259		

Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36271	Strand	+
Start	3735	End	4259
Name	OJ990917_07.9C01.C11.o1.np	Method	AAT/NAP
Start	3828	End	4256
GI	169363	Score	274
Exons	3828..4256		
GI Descrip.	(M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36272	Strand	+
Start	4778	End	5193
Name	OJ990917_07.9C01.C11.o2.gp	Method	AAT/GAP
Start	4778	End	5193
GI	3759837	Score	731

Exons	4778..5193		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36273	Strand	-
Start	2225	End	3199
Name	OJ990917_07.9C01.C11.o1.gs	Method	GENSCAN
Start	2225	End	3199
GI	none	Score	.85
Exons	2225..2330, 2886..3199		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36274	Strand	-
Start	4795	End	5337
Name	OJ990917_07.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	4068	End	4252
GI	none	Score	238
Exons	4068..4229, 4073..4246, 4100..4252		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36274	Strand	-
Start	4795	End	5337
Name	OJ990917_07.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	4068	End	4258
GI	none	Score	219
Exons	4068..4229, 4100..4258		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36274	Strand	-
Start	4795	End	5337
Name	OJ990917_07.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	4068	End	4261
GI	none	Score	240
Exons	4068..4229, 4073..4261, 4100..4258		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36274	Strand	-
Start	4795	End	5337
Name	OJ990917_07.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	4071	End	4261
GI	none	Score	224
Exons	4071..4229, 4073..4258, 4100..4261		
Seq. No.	17275	Seq. ID	OJ990917_07.9C01.C11
Gene No.	36274	Strand	-
Start	4795	End	5337
Name	OJ990917_07.9C01.C11.o3.gs	Method	GENSCAN
Start	4795	End	5337
GI	none	Score	.84
Exons	4795..5011, 5327..5337		
Seq. No.	17276	Seq. ID	OJ990917_07.9C01.C12
Gene No.	36275	Strand	+
Start	1	End	683
Name	OJ990917_07.9C01.C12.o1.np	Method	AAT/NAP
Start	1	End	683
GI	4538901	Score	192
Exons	1..683		

GI Descrip. (AL049482) RNA-directed DNA polymerase-like protein [Arabidopsis thaliana]

Seq. No.	17276	Seq. ID	OJ990917_07.9C01.C12
Gene No.	36275	Strand	+
Start	1	End	683
Name	OJ990917_07.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	27	End	188
GI	none	Score	181
Exons	27..188, 36..170		

Seq. No.	17277	Seq. ID	OJ990917_07.9C01.C13
Gene No.	36276	Strand	+
Start	1603	End	2526
Name	OJ990917_07.9C01.C13.o1.gp	Method	AAT/GAP
Start	1603	End	2526
GI	85912_1.R1084	Score	762
Exons	1603..1658, 2156..2526		
GI Descrip.	'4324617/gb|AF106619|AF106619 4.0e-36 Cloning vector pDR1149 complete sequence'		

Seq. No.	17278	Seq. ID	OJ990917_07.9C01.C14
Gene No.	36277	Strand	-
Start	838	End	4107
Name	OJ990917_07.9C01.C14.o1.gs	Method	GENSCAN
Start	838	End	4107
GI	none	Score	.56
Exons	838..910, 2290..2301, 2703..2894, 3024..3309, 3652..3776, 4007..4107		

Seq. No.	17279	Seq. ID	OJ990917_07.9C01.C15
Gene No.	36278	Strand	
Start	835	End	1727
Name	OJ990917_07.9C01.C15.o2.tm	Method	TBLASTX:Maize
Start	835	End	1224
GI	none	Score	44
Exons	835..882, 837..893, 838..894, 892..972, 893..973, 968..1084, 969..1085, 969..1085, 970..1086, 1184..1219, 1186..1224		

Seq. No.	17279	Seq. ID	OJ990917_07.9C01.C15
Gene No.	36278	Strand	
Start	835	End	1727
Name	OJ990917_07.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	984	End	1727
GI	none	Score	275
Exons	984..1088, 1190..1219, 1224..1727		

Seq. No.	17279	Seq. ID	OJ990917_07.9C01.C15
Gene No.	36278	Strand	
Start	835	End	1727
Name	OJ990917_07.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	1410	End	1727
GI	none	Score	103
Exons	1410..1592, 1492..1590, 1629..1727, 1668..1724		

Seq. No.	17280	Seq. ID	OJ990917_07.9C01.C16
Gene No.	36279	Strand	-

Start	699	End	901
Name	OJ990917_07.9C01.C16.o1.gs	Method	GENSCAN
Start	699	End	901
GI	none	Score	.83
Exons	699..839, 899..901		

Seq. No.	17281	Seq. ID	OJ990917_07.9C01.C17
Gene No.	36280	Strand	-
Start	398	End	1598
Name	OJ990917_07.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	68	End	570
GI	none	Score	81
Exons	68..127, 69..128, 73..129, 73..129, 395..523, 399..524, 544..570		

Seq. No.	17281	Seq. ID	OJ990917_07.9C01.C17
Gene No.	36280	Strand	-
Start	398	End	1598
Name	OJ990917_07.9C01.C17.o1.gs	Method	GENSCAN
Start	398	End	1598
GI	none	Score	.46
Exons	398..490, 1533..1598		

Seq. No.	17281	Seq. ID	OJ990917_07.9C01.C17
Gene No.	36280	Strand	-
Start	398	End	1598
Name	OJ990917_07.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	425	End	936
GI	none	Score	95
Exons	425..511, 426..512, 663..725, 664..771, 665..772, 860..916, 874..936		

Seq. No.	17281	Seq. ID	OJ990917_07.9C01.C17
Gene No.	36280	Strand	-
Start	398	End	1598
Name	OJ990917_07.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	872	End	1590
GI	none	Score	117
Exons	872..940, 873..938, 874..945, 1191..1253, 1191..1259, 1195..1260, 1325..1420, 1327..1419, 1530..1589, 1533..1589, 1534..1590, 1540..1590		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36281	Strand	+
Start	1213	End	2935
Name	OJ990917_07.9C01.C18.o2.np	Method	AAT/NAP
Start	1213	End	2935
GI	4680183	Score	114
Exons	1213..1288, 2420..2640, 2796..2935		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36282	Strand	+
Start	13132	End	19777
Name	OJ990917_07.9C01.C18.o3.gs	Method	GENSCAN
Start	13132	End	19777
GI	none	Score	.53
Exons	13132..13332, 13566..13639, 14225..14501, 16246..16336,		

16535..16738, 17054..17317, 18755..18949, 19323..19399,
19691..19777

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36282	Strand	+
Start	13132	End	19777
Name	OJ990917_07.9C01.C18.o5.np	Method	AAT/NAP
Start	17205	End	18873
GI	1491712	Score	149
Exons	17205..17317, 18519..18594, 18755..18873		
GI Descrip.	(X99961) unknown [Homo sapiens]		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36283	Strand	-
Start	123	End	7435
Name	OJ990917_07.9C01.C18.o1.gs	Method	GENSCAN
Start	123	End	7322
GI	none	Score	.66
Exons	123..334, 768..900, 1368..1579, 2129..2359, 2414..2561, 3057..3136, 4032..4154, 4993..5036, 5873..5942, 7045..7322		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36283	Strand	-
Start	123	End	7435
Name	OJ990917_07.9C01.C18.o1.np	Method	AAT/NAP
Start	1368	End	1761
GI	6841336	Score	157
Exons	1368..1761		
GI Descrip.	(AF161534) HSPC049 [Homo sapiens]		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36283	Strand	-
Start	123	End	7435
Name	OJ990917_07.9C01.C18.o3.np	Method	AAT/NAP
Start	5728	End	7435
GI	6721512	Score	95
Exons	5728..5834, 7184..7316, 7344..7435		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36284	Strand	-
Start	9122	End	11656
Name	OJ990917_07.9C01.C18.o2.gs	Method	GENSCAN
Start	9122	End	11656
GI	none	Score	.62
Exons	9122..9470, 11643..11656		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36285	Strand	-
Start	12961	End	13271
Name	OJ990917_07.9C01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1381	End	1636
GI	none	Score	141
Exons	1381..1635, 1382..1636		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36285	Strand	-

Start	12961	End	13271
Name	OJ990917_07.9C01.C18.o4.np	Method	AAT/NAP
Start	12961	End	13271
GI	6815099	Score	73
Exons	12961..13271		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36286	Strand	
Start	16647	End	18941
Name	OJ990917_07.9C01.C18.o2.ts	Method	TBLASTX:Soybean
Start	16647	End	18873
GI	none	Score	71
Exons	16647..16727, 17222..17323, 17222..17317, 18531..18593, 18745..18873, 18747..18872		

Seq. No.	17282	Seq. ID	OJ990917_07.9C01.C18
Gene No.	36286	Strand	
Start	16647	End	18941
Name	OJ990917_07.9C01.C18.o1.tc	Method	TBLASTX:Cress
Start	17222	End	18941
GI	none	Score	64
Exons	17222..17323, 18531..18593, 18745..18936, 18747..18941		

Seq. No.	17283	Seq. ID	OJ990917_07.9C01.C20
Gene No.	36287	Strand	-
Start	215	End	688
Name	OJ990917_07.9C01.C20.o1.gs	Method	GENSCAN
Start	215	End	685
GI	none	Score	.91
Exons	215..374, 467..685		

Seq. No.	17283	Seq. ID	OJ990917_07.9C01.C20
Gene No.	36287	Strand	-
Start	215	End	688
Name	OJ990917_07.9C01.C20.o1.tm	Method	TBLASTX:Maize
Start	545	End	688
GI	none	Score	161
Exons	545..688, 546..686, 548..688		

Seq. No.	17284	Seq. ID	OJ990917_07.9C01.C24
Gene No.	36288	Strand	
Start	147	End	437
Name	OJ990917_07.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	147	End	437
GI	none	Score	192
Exons	147..344, 182..343, 339..437		

Seq. No.	17284	Seq. ID	OJ990917_07.9C01.C24
Gene No.	36289	Strand	
Start	1015	End	1563
Name	OJ990917_07.9C01.C24.o1.ts	Method	TBLASTX:Soybean
Start	1015	End	1563
GI	none	Score	75
Exons	1015..1092, 1016..1081, 1174..1272, 1175..1264, 1175..1300, 1471..1563, 1480..1557		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36290	Strand	+
Start	500	End	2159
Name	OJ990917_07.9C01.C25.o1.gs	Method	GENSCAN
Start	500	End	2159
GI	none	Score	.42
Exons	500..800, 1110..1135, 1277..2159		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36291	Strand	-
Start	3499	End	3662
Name	OJ990917_07.9C01.C25.o1.tm	Method	TBLASTX:Maize
Start	1850	End	2126
GI	none	Score	47
Exons	1850..2101, 1851..1886, 1857..2126, 1875..1898, 1925..2101, 1929..2102		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36291	Strand	-
Start	3499	End	3662
Name	OJ990917_07.9C01.C25.o2.gs	Method	GENSCAN
Start	3499	End	3662
GI	none	Score	.61
Exons	3499..3662		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36292	Strand	
Start	3976	End	4331
Name	OJ990917_07.9C01.C25.o1.tw	Method	TBLASTX:Wheat
Start	3976	End	4331
GI	none	Score	82
Exons	3976..4101, 4032..4103, 4102..4326, 4133..4312, 4245..4331		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36293	Strand	
Start	4327	End	4811
Name	OJ990917_07.9C01.C25.o2.tm	Method	TBLASTX:Maize
Start	4327	End	4808
GI	none	Score	45
Exons	4327..4365, 4390..4479, 4473..4808		

Seq. No.	17285	Seq. ID	OJ990917_07.9C01.C25
Gene No.	36293	Strand	
Start	4327	End	4811
Name	OJ990917_07.9C01.C25.o2.tw	Method	TBLASTX:Wheat
Start	4545	End	4811
GI	none	Score	228
Exons	4545..4811, 4547..4807		

Seq. No.	17286	Seq. ID	OJ990827_07.9C08.C2
Gene No.	36294	Strand	+
Start	41	End	425
Name	OJ990827_07.9C08.C2.o1.gs	Method	GENSCAN
Start	41	End	425
GI	none	Score	.83
Exons	41..69, 109..179, 313..425		

Seq. No.	17286	Seq. ID	OJ990827_07.9C08.C2
Gene No.	36295	Strand	-
Start	671	End	801
Name	OJ990827_07.9C08.C2.o2.gs	Method	GENSCAN
Start	671	End	801
GI	none	Score	.97
Exons	671..696, 750..801		

Seq. No.	17287	Seq. ID	OJ990827_07.9C08.C3
Gene No.	36296	Strand	+
Start	494	End	785
Name	OJ990827_07.9C08.C3.o1.gs	Method	GENSCAN
Start	494	End	785
GI	none	Score	.89
Exons	494..623, 736..785		

Seq. No.	17287	Seq. ID	OJ990827_07.9C08.C3
Gene No.	36297	Strand	+
Start	3326	End	4496
Name	OJ990827_07.9C08.C3.o3.gs	Method	GENSCAN
Start	3326	End	4496
GI	none	Score	.83
Exons	3326..3569, 4360..4496		

Seq. No.	17287	Seq. ID	OJ990827_07.9C08.C3
Gene No.	36298	Strand	-
Start	2050	End	2364
Name	OJ990827_07.9C08.C3.o2.gs	Method	GENSCAN
Start	2050	End	2364
GI	none	Score	.93
Exons	2050..2112, 2212..2364		

Seq. No.	17287	Seq. ID	OJ990827_07.9C08.C3
Gene No.	36299	Strand	-
Start	5144	End	5400
Name	OJ990827_07.9C08.C3.o4.gs	Method	GENSCAN
Start	5144	End	5400
GI	none	Score	.93
Exons	5144..5152, 5338..5400		

Seq. No.	17288	Seq. ID	OJ990827_07.9C08.C5
Gene No.	36300	Strand	-
Start	423	End	671
Name	OJ990827_07.9C08.C5.o1.gs	Method	GENSCAN
Start	423	End	671
GI	none	Score	.98
Exons	423..671		

Seq. No.	17289	Seq. ID	OJ990827_07.9C08.C7
Gene No.	36301	Strand	-
Start	443	End	542
Name	OJ990827_07.9C08.C7.o1.gs	Method	GENSCAN
Start	443	End	542
GI	none	Score	.52
Exons	443..542		

Seq. No.	17290	Seq. ID	OJ990827_07.9C08.C8

Gene No.	36302	Strand	+
Start	1	End	2387
Name	OJ990827_07.9C08.C8.o1.np	Method	AAT/NAP
Start	1	End	545
GI	5042454	Score	174
Exons	1..146, 485..545		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17290	Seq. ID	OJ990827_07.9C08.C8
Gene No.	36302	Strand	+
Start	1	End	2387
Name	OJ990827_07.9C08.C8.o1.gs	Method	GENSCAN
Start	107	End	2387
GI	none	Score	.64
Exons	107..277, 492..663, 2252..2387		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36303	Strand	+
Start	74	End	391
Name	OJ990827_07.9C08.C9.o1.gs	Method	GENSCAN
Start	74	End	391
GI	none	Score	.86
Exons	74..391		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36304	Strand	+
Start	13569	End	14250
Name	OJ990827_07.9C08.C9.o5.gs	Method	GENSCAN
Start	13569	End	14250
GI	none	Score	.93
Exons	13569..13588, 13722..14250		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36305	Strand	-
Start	8701	End	9372
Name	OJ990827_07.9C08.C9.o3.gs	Method	GENSCAN
Start	8701	End	9372
GI	none	Score	.99
Exons	8701..9372		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36305	Strand	-
Start	8701	End	9372
Name	OJ990827_07.9C08.C9.o1.np	Method	AAT/NAP
Start	8840	End	9237
GI	5734617	Score	464
Exons	8840..9237		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36306	Strand	-
Start	11747	End	12858
Name	OJ990827_07.9C08.C9.o2.np	Method	AAT/NAP
Start	10255	End	12279
GI	4006856	Score	128
Exons	10255..10280, 11853..12279		
GI Descrip.	(Z99707) receptor kinase-like protein [Arabidopsis thaliana]		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36306	Strand	-
Start	11747	End	12858
Name	OJ990827_07.9C08.C9.o4.gs	Method	GENSCAN
Start	11747	End	12858
GI	none	Score	.72
Exons	11747..12295, 12307..12572, 12780..12858		

Seq. No.	17291	Seq. ID	OJ990827_07.9C08.C9
Gene No.	36307	Strand	-
Start	16058	End	16113
Name	OJ990827_07.9C08.C9.o6.gs	Method	GENSCAN
Start	16058	End	16113
GI	none	Score	.53
Exons	16058..16113		

Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.gs	Method	GENSCAN
Start	133	End	4150
GI	none	Score	.58
Exons	133..257, 1898..1967, 2153..2587, 2655..2679, 2712..2884, 2926..3450, 3581..4150		

Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.ts	Method	TBLASTX:Soybean
Start	1671	End	2521
GI	none	Score	66
Exons	1671..1733, 2224..2355, 2225..2521		

Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.tc	Method	TBLASTX:Cress
Start	1682	End	2467
GI	none	Score	94
Exons	1682..1756, 1683..1763, 2207..2383, 2239..2364, 2405..2467		

Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.np	Method	AAT/NAP
Start	1683	End	4147
GI	6553905	Score	1058
Exons	1683..1748, 1905..1967, 2153..2776, 2838..3450, 3581..3973, 4004..4147		
GI Descrip.	(AC012563) unknown protein [Arabidopsis thaliana]		

Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.tw	Method	TBLASTX:Wheat
Start	2218	End	2512

GI	none	Score	244
Exons	2218..2493, 2219..2512		
Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o2.tm	Method	TBLASTX:Maize
Start	2218	End	2521
GI	none	Score	255
Exons	2218..2493, 2219..2521		
Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o3.tm	Method	TBLASTX:Maize
Start	2731	End	3245
GI	none	Score	35
Exons	2731..2754, 2863..2946, 2864..2947, 2926..3054, 2953..3051, 2958..3119, 2988..3122, 3055..3123, 3201..3245		
Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.tm	Method	TBLASTX:Maize
Start	3292	End	3724
GI	none	Score	141
Exons	3292..3468, 3584..3724		
Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o2.ts	Method	TBLASTX:Soybean
Start	3292	End	3724
GI	none	Score	145
Exons	3292..3465, 3330..3419, 3584..3724, 3604..3678		
Seq. No.	17292	Seq. ID	OJ990827_07.9C08.C10
Gene No.	36308	Strand	+
Start	133	End	4150
Name	OJ990827_07.9C08.C10.o1.gp	Method	AAT/GAP
Start	3685	End	4064
GI	none	Score	736
Exons	3685..4064		
Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36309	Strand	+
Start	144	End	319
Name	OJ990827_07.9C08.C12.o1.gs	Method	GENSCAN
Start	144	End	319
GI	none	Score	.88
Exons	144..319		
Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36310	Strand	+
Start	2386	End	9565
Name	OJ990827_07.9C08.C12.o2.gs	Method	GENSCAN
Start	2386	End	9565

GI	none	Score	.46
Exons	2386..2500, 3005..3092, 5907..6042, 7071..7140, 7897..8021, 8678..8926, 9272..9565		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36311	Strand	-
Start	3143	End	3424
Name	OJ990827_07.9C08.C12.o1.np	Method	AAT/NAP
Start	3143	End	3424
GI	6539588	Score	102
Exons	3143..3424		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o2.np	Method	AAT/NAP
Start	10276	End	13337
GI	6016718	Score	547
Exons	10276..10342, 12067..12500, 12594..12780, 13191..13337		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o2.tm	Method	TBLASTX:Maize
Start	11200	End	11575
GI	none	Score	56
Exons	11200..11265, 11206..11265, 11346..11408, 11348..11407, 11413..11442, 11447..11575, 11451..11558		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o3.gs	Method	GENSCAN
Start	11212	End	12310
GI	none	Score	.51
Exons	11212..11265, 11348..11647, 11951..12310		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o1.tm	Method	TBLASTX:Maize
Start	11580	End	12334
GI	none	Score	80
Exons	11580..11660, 11582..11656, 12002..12334, 12008..12334		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o1.ts	Method	TBLASTX:Soybean
Start	12050	End	13331
GI	none	Score	69
Exons	12050..12169, 12054..12176, 12179..12280, 12179..12319, 12186..12284, 12290..12370, 12313..12432, 12314..12391, 12403..12501, 12415..12501, 12592..12780, 12593..12787, 13185..13238, 13242..13331		

Seq. No.	17293	Seq. ID	OJ990827_07.9C08.C12
Gene No.	36312	Strand	-
Start	11212	End	13337
Name	OJ990827_07.9C08.C12.o1.tc	Method	TBLASTX:Cress
Start	12098	End	12502
GI	none	Score	78
Exons	12098..12277, 12098..12283, 12180..12284, 12300..12329, 12383..12502, 12403..12501		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36313	Strand	+
Start	103	End	552
Name	OJ990827_07.9C08.C13.o1.gs	Method	GENSCAN
Start	103	End	552
GI	none	Score	.99
Exons	103..552		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36314	Strand	+
Start	2180	End	3673
Name	OJ990827_07.9C08.C13.o2.gs	Method	GENSCAN
Start	2180	End	3673
GI	none	Score	.61
Exons	2180..2652, 3039..3135, 3208..3248, 3272..3455, 3554..3673		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.tm	Method	TBLASTX:Maize
Start	3736	End	5118
GI	none	Score	54
Exons	3736..3897, 3898..3945, 3899..3949, 4006..4362, 4013..5113, 4014..5102, 4015..5118, 4016..5113		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.tw	Method	TBLASTX:Wheat
Start	3843	End	4406
GI	none	Score	35
Exons	3843..3860, 3843..3869, 3844..3900, 3871..3909, 3875..3910, 3985..4401, 3986..4405, 4017..4406		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o3.gs	Method	GENSCAN
Start	4015	End	6143
GI	none	Score	.6
Exons	4015..4986, 6069..6143		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.np	Method	AAT/NAP
Start	4018	End	6143

GI	4850383	Score	1520
Exons	4018..5096, 6059..6143		
GI Descrip.	(AC007357) Contains similarity to gi|4417304 F15O11.7 putative beta-1,4-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase from Arabidopsis thaliana BAC gb|AC006446.		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.ts	Method	TBLASTX:Soybean
Start	4021	End	4884
GI	none	Score	678
Exons	4021..4878, 4025..4765, 4459..4884		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.tc	Method	TBLASTX:Cress
Start	4307	End	4773
GI	none	Score	414
Exons	4307..4765, 4309..4773		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o1.gp	Method	AAT/GAP
Start	4601	End	6221
GI	12781_1.R1084	Score	1248
Exons	4601..5115, 6069..6221		
GI Descrip.	'6016720/gb|AAF01546.1|AC009325_16 4.0e-66 (AC009325) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17294	Seq. ID	OJ990827_07.9C08.C13
Gene No.	36315	Strand	-
Start	4015	End	6221
Name	OJ990827_07.9C08.C13.o2.ts	Method	TBLASTX:Soybean
Start	4885	End	5109
GI	none	Score	88
Exons	4885..5109, 4889..4993, 4891..5097		

Seq. No.	17295	Seq. ID	OJ990827_07.9C08.C14
Gene No.	36316	Strand	+
Start	919	End	1749
Name	OJ990827_07.9C08.C14.o1.gs	Method	GENSCAN
Start	919	End	1749
GI	none	Score	.4
Exons	919..1321, 1697..1749		

Seq. No.	17295	Seq. ID	OJ990827_07.9C08.C14
Gene No.	36317	Strand	-
Start	1093	End	1535
Name	OJ990827_07.9C08.C14.o1.np	Method	AAT/NAP
Start	1093	End	1535
GI	4680199	Score	107
Exons	1093..1535		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17296	Seq. ID	OJ990827_07.9C08.C15
Gene No.	36318	Strand	+
Start	294	End	879
Name	OJ990827_07.9C08.C15.o1.gs	Method	GENSCAN
Start	294	End	879
GI	none	Score	.52
Exons	294..351, 833..879		

Seq. No.	17297	Seq. ID	OJ990827_07.9C08.C16
Gene No.	36319	Strand	-
Start	210	End	1439
Name	OJ990827_07.9C08.C16.o1.gs	Method	GENSCAN
Start	210	End	1439
GI	none	Score	.66
Exons	210..293, 744..882, 1363..1439		

Seq. No.	17297	Seq. ID	OJ990827_07.9C08.C16
Gene No.	36320	Strand	-
Start	1828	End	2266
Name	OJ990827_07.9C08.C16.o2.gs	Method	GENSCAN
Start	1828	End	2266
GI	none	Score	.82
Exons	1828..1969, 2217..2266		

Seq. No.	17298	Seq. ID	OJ990827_07.9C08.C17
Gene No.	36321	Strand	-
Start	8	End	261
Name	OJ990827_07.9C08.C17.o1.gs	Method	GENSCAN
Start	8	End	261
GI	none	Score	.73
Exons	8..142, 148..261		

Seq. No.	17299	Seq. ID	OJ990827_07.9C08.C18
Gene No.	36322	Strand	-
Start	1	End	1110
Name	OJ990827_07.9C08.C18.o1.np	Method	AAT/NAP
Start	1	End	1110
GI	4850395	Score	53
Exons	1..46, 264..336, 1074..1110		
GI Descrip.	(AC007357) EST gb|N37870 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36323	Strand	-
Start	331	End	5068
Name	OJ990827_07.9C08.C19.o1.np	Method	AAT/NAP
Start	331	End	4238
GI	4850395	Score	232
Exons	331..355, 1889..2104, 2408..2579, 3622..3781, 4202..4238		
GI Descrip.	(AC007357) EST gb|N37870 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36323	Strand	-
Start	331	End	5068
Name	OJ990827_07.9C08.C19.o1.gs	Method	GENSCAN

Start	865	End	5068
GI	none	Score	.94
Exons	865..939, 1091..1185, 1912..2098, 2408..2579, 3622..3770, 4400..4523, 4658..4813, 4922..5068		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36324	Strand	-
Start	5268	End	5553
Name	OJ990827_07.9C08.C19.o1.tm	Method	TBLASTX:Maize
Start	2408	End	4711
GI	none	Score	142
Exons	2408..2578, 2409..2582, 2509..2580, 2513..2584, 3596..3772, 3621..3776, 3622..3774, 4391..4510, 4399..4509, 4400..4519, 4640..4711		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36324	Strand	-
Start	5268	End	5553
Name	OJ990827_07.9C08.C19.o1.tw	Method	TBLASTX:Wheat
Start	3646	End	4705
GI	none	Score	176
Exons	3646..3774, 3646..3759, 3648..3776, 4391..4516, 4399..4518, 4400..4516, 4658..4705, 4663..4704		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36324	Strand	-
Start	5268	End	5553
Name	OJ990827_07.9C08.C19.o2.tm	Method	TBLASTX:Maize
Start	4766	End	5071
GI	none	Score	127
Exons	4766..4789, 4921..5067, 4925..5071		

Seq. No.	17300	Seq. ID	OJ990827_07.9C08.C19
Gene No.	36324	Strand	-
Start	5268	End	5553
Name	OJ990827_07.9C08.C19.o1.gp	Method	AAT/GAP
Start	5268	End	5553
GI	none	Score	517
Exons	5268..5553		

Seq. No.	17301	Seq. ID	OJ990827_07.9C08.C20
Gene No.	36325	Strand	+
Start	1274	End	1590
Name	OJ990827_07.9C08.C20.o1.gs	Method	GENSCAN
Start	1274	End	1576
GI	none	Score	1
Exons	1274..1576		

Seq. No.	17301	Seq. ID	OJ990827_07.9C08.C20
Gene No.	36325	Strand	+
Start	1274	End	1590
Name	OJ990827_07.9C08.C20.o1.np	Method	AAT/NAP
Start	1340	End	1590
GI	4850396	Score	235
Exons	1340..1590		
GI Descrip.	(AC007357) F3F19.15 [Arabidopsis thaliana]		

Seq. No.	17301	Seq. ID	OJ990827_07.9C08.C20
Gene No.	36325	Strand	+
Start	1274	End	1590
Name	OJ990827_07.9C08.C20.o1.ts	Method	TBLASTX:Soybean
Start	1393	End	1588
GI	none	Score	233
Exons	1393..1587, 1394..1588		

Seq. No.	17302	Seq. ID	OJ990827_07.9C08.C21
Gene No.	36326	Strand	+
Start	195	End	276
Name	OJ990827_07.9C08.C21.o1.gs	Method	GENSCAN
Start	195	End	276
GI	none	Score	.75
Exons	195..276		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36327	Strand	+
Start	1	End	3940
Name	OJ990827_07.9C08.C22.o1.np	Method	AAT/NAP
Start	1	End	3940
GI	4680183	Score	1662
Exons	1..1140, 3918..3940		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36327	Strand	+
Start	1	End	3940
Name	OJ990827_07.9C08.C22.o1.gs	Method	GENSCAN
Start	199	End	1276
GI	none	Score	.72
Exons	199..992, 1024..1276		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36327	Strand	+
Start	1	End	3940
Name	OJ990827_07.9C08.C22.o2.np	Method	AAT/NAP
Start	1136	End	1273
GI	4206306	Score	102
Exons	1136..1273		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36328	Strand	+
Start	5824	End	5971
Name	OJ990827_07.9C08.C22.o1.gp	Method	AAT/GAP
Start	5824	End	5971
GI	uC-osflcyp177g01a1	Score	239
Exons	5824..5971		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36329	Strand	-
Start	1592	End	4533
Name	OJ990827_07.9C08.C22.o2.gs	Method	GENSCAN
Start	1592	End	4533

GI	none	Score	.71
Exons	1592..1932, 1999..2040, 2113..2217, 2290..2479, 2556..2743, 2818..3194, 3276..3451, 3649..4533		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36329	Strand	-
Start	1592	End	4533
Name	OJ990827_07.9C08.C22.o3.np	Method	AAT/NAP
Start	1595	End	4533
GI	6691716	Score	2276
Exons	1595..2040, 2113..2229, 2380..2479, 2556..2759, 2930..3194, 3276..3451, 3649..4533		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17303	Seq. ID	OJ990827_07.9C08.C22
Gene No.	36329	Strand	-
Start	1592	End	4533
Name	OJ990827_07.9C08.C22.o1.tw	Method	TBLASTX:Wheat
Start	4123	End	4413
GI	none	Score	211
Exons	4123..4413		

Seq. No.	17304	Seq. ID	OJ990827_07.9C08.C23
Gene No.	36330	Strand	+
Start	232	End	981
Name	OJ990827_07.9C08.C23.o1.gs	Method	GENSCAN
Start	232	End	981
GI	none	Score	.7
Exons	232..365, 619..981		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36331	Strand	+
Start	1	End	4877
Name	OJ990827_07.9C08.C24.o1.np	Method	AAT/NAP
Start	1	End	3161
GI	6739515	Score	968
Exons	1..522, 2590..2967, 3140..3161		
GI Descrip.	(AF136004) eukaryotic initiation factor 4B [Triticum aestivum]		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36331	Strand	+
Start	1	End	4877
Name	OJ990827_07.9C08.C24.o1.gs	Method	GENSCAN
Start	105	End	4877
GI	none	Score	.43
Exons	105..113, 149..522, 2590..2948, 3062..3105, 4389..4877		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36331	Strand	+
Start	1	End	4877
Name	OJ990827_07.9C08.C24.o1.gp	Method	AAT/GAP
Start	3074	End	3277
GI	2799476	Score	357
Exons	3074..3277		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36332	Strand	-
Start	4168	End	6155
Name	OJ990827_07.9C08.C24.o2.gp	Method	AAT/GAP
Start	4168	End	6155
GI	52301_1.R1084	Score	1830
Exons	4168..4858, 5922..6155		
GI Descrip.	'4220518/emb|CAA22991| 9.0e-34 (AL035356) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36332	Strand	-
Start	4168	End	6155
Name	OJ990827_07.9C08.C24.o2.np	Method	AAT/NAP
Start	4387	End	6000
GI	4220518	Score	305
Exons	4387..4858, 5919..6000		
GI Descrip.	(AL035356) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36332	Strand	-
Start	4168	End	6155
Name	OJ990827_07.9C08.C24.o2.gs	Method	GENSCAN
Start	5672	End	6081
GI	none	Score	.94
Exons	5672..5772, 5922..6081		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-
Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o1.tm	Method	TBLASTX:Maize
Start	37	End	2968
GI	none	Score	84
Exons	37..108, 38..112, 107..154, 178..510, 211..288, 212..523, 214..522, 362..511, 376..504, 2587..2673, 2588..2677, 2591..2677, 2681..2902, 2682..2816, 2764..2892, 2888..2968, 2937..2966		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-
Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o1.tc	Method	TBLASTX:Cress
Start	62	End	557
GI	none	Score	55
Exons	62..154, 211..288, 212..295, 295..339, 344..454, 397..453, 416..514, 421..504, 519..557		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-
Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o1.tw	Method	TBLASTX:Wheat
Start	4395	End	4650
GI	none	Score	223
Exons	4395..4649, 4402..4650		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-

Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o1.ts	Method	TBLASTX:Soybean
Start	4410	End	4860
GI	none	Score	49
Exons	4410..4523, 4417..4506, 4536..4640, 4546..4641, 4650..4859, 4651..4860		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-
Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o2.tm	Method	TBLASTX:Maize
Start	4644	End	4860
GI	none	Score	174
Exons	4644..4859, 4645..4860		

Seq. No.	17305	Seq. ID	OJ990827_07.9C08.C24
Gene No.	36333	Strand	-
Start	10254	End	10999
Name	OJ990827_07.9C08.C24.o3.np	Method	AAT/NAP
Start	10254	End	10999
GI	4220515	Score	164
Exons	10254..10334, 10419..10491, 10833..10999		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	17306	Seq. ID	OJ990827_07.9C08.C25
Gene No.	36334	Strand	-
Start	1	End	1658
Name	OJ990827_07.9C08.C25.o1.np	Method	AAT/NAP
Start	1	End	1658
GI	4220515	Score	195
Exons	1..119, 470..523, 918..1014, 1124..1233, 1397..1658		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	17306	Seq. ID	OJ990827_07.9C08.C25
Gene No.	36334	Strand	-
Start	1	End	1658
Name	OJ990827_07.9C08.C25.o1.gs	Method	GENSCAN
Start	67	End	1492
GI	none	Score	.86
Exons	67..185, 432..523, 918..1014, 1397..1492		

Seq. No.	17307	Seq. ID	OJ990827_07.9C08.C26
Gene No.	36335	Strand	+
Start	822	End	1101
Name	OJ990827_07.9C08.C26.o1.gp	Method	AAT/GAP
Start	822	End	1101
GI	4714099	Score	493
Exons	822..1101		

Seq. No.	17307	Seq. ID	OJ990827_07.9C08.C26
Gene No.	36336	Strand	-
Start	448	End	1645
Name	OJ990827_07.9C08.C26.o1.gs	Method	GENSCAN
Start	448	End	1579
GI	none	Score	.65
Exons	448..621, 1208..1425, 1517..1579		

Seq. No.	17307	Seq. ID	OJ990827_07.9C08.C26
Gene No.	36336	Strand	-
Start	448	End	1645
Name	OJ990827_07.9C08.C26.o1.tm	Method	TBLASTX:Maize
Start	1288	End	1645
GI	none	Score	193
Exons	1288..1431, 1289..1423, 1514..1642, 1518..1643, 1574..1645		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.gp	Method	AAT/GAP
Start	297	End	987
GI	1059_1.R1084	Score	1343
Exons	297..987		
GI Descrip.	'2494261/sp|Q43467|EFT1_SOYBN 0.0e+00 ELONGATION FACTOR TU, CHLOROPLAST PRECURSOR (EF-TU) >gi_99903_pir__S21567 translation elongation factor Tu precursor - soybean chloroplast >gi_18776_emb_CAA46864_ (X66062) EF-Tu [Glycine max] >gi_448921_prf__1918220A elongation factor Tu [Glycine max]'		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.tm	Method	TBLASTX:Maize
Start	307	End	851
GI	none	Score	70
Exons	307..372, 314..373, 315..371, 316..390, 344..421, 354..455, 356..418, 412..546, 420..851, 423..848, 485..850		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.gs	Method	GENSCAN
Start	542	End	946
GI	none	Score	.54
Exons	542..946		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.ts	Method	TBLASTX:Soybean
Start	542	End	985
GI	none	Score	113
Exons	542..985, 545..667, 561..980, 716..985		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.tc	Method	TBLASTX:Cress
Start	542	End	986
GI	none	Score	87
Exons	542..979, 548..667, 549..980, 570..986, 739..984		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987

Name	OJ990827_07.9C08.C27.o1.np	Method	AAT/NAP
Start	545	End	987
GI	6525065	Score	740
Exons	545..987		
GI Descrip.	(AF145053) chloroplast translational elongation factor Tu [Oryza sativa]		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o1.tw	Method	TBLASTX:Wheat
Start	722	End	980
GI	none	Score	151
Exons	722..976, 722..979, 900..980		

Seq. No.	17308	Seq. ID	OJ990827_07.9C08.C27
Gene No.	36337	Strand	-
Start	542	End	987
Name	OJ990827_07.9C08.C27.o2.tm	Method	TBLASTX:Maize
Start	854	End	985
GI	none	Score	201
Exons	854..985, 855..983, 857..985		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36338	Strand	+
Start	1661	End	4657
Name	OJ990827_07.9C08.C28.o1.gp	Method	AAT/GAP
Start	1661	End	2097
GI	33510_1.R1084	Score	812
Exons	1661..2097		
GI Descrip.	'3790188/emb|CAA74776| 3.0e-39 (Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36338	Strand	+
Start	1661	End	4657
Name	OJ990827_07.9C08.C28.o1.gs	Method	GENSCAN
Start	1696	End	4657
GI	none	Score	.96
Exons	1696..1902, 1938..2237, 3431..3670, 4013..4091, 4383..4657		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36338	Strand	+
Start	1661	End	4657
Name	OJ990827_07.9C08.C28.o1.np	Method	AAT/NAP
Start	1696	End	4654
GI	3790188	Score	1533
Exons	1696..2237, 3431..3670, 4013..4091, 4383..4654		
GI Descrip.	(Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36338	Strand	+
Start	1661	End	4657
Name	OJ990827_07.9C08.C28.o2.gp	Method	AAT/GAP
Start	3427	End	4101
GI	12622_1.R1084	Score	589

Exons	3427..3670, 4013..4101		
GI Descrip.	'3790188/emb|CAA74776| 2.0e-87 (Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]'		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36338	Strand	+
Start	1661	End	4657
Name	OJ990827_07.9C08.C28.o3.gp	Method	AAT/GAP
Start	3685	End	4503
GI	12622_1.R1084	Score	288
Exons	3685..3721, 4012..4091, 4383..4503		
GI Descrip.	'3790188/emb|CAA74776| 2.0e-87 (Y14431) NAD-dependent isocitrate dehydrogenase [Nicotiana tabacum]'		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36339	Strand	+
Start	5501	End	6109
Name	OJ990827_07.9C08.C28.o2.gs	Method	GENSCAN
Start	5501	End	6109
GI	none	Score	.89
Exons	5501..6109		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36339	Strand	+
Start	5501	End	6109
Name	OJ990827_07.9C08.C28.o2.np	Method	AAT/NAP
Start	5501	End	6076
GI	4589960	Score	471
Exons	5501..6076		
GI Descrip.	(AC007169) unknown protein [Arabidopsis thaliana]		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36340	Strand	+
Start	9232	End	9607
Name	OJ990827_07.9C08.C28.o3.gs	Method	GENSCAN
Start	9232	End	9607
GI	none	Score	1
Exons	9232..9607		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36341	Strand	-
Start	4474	End	4908
Name	OJ990827_07.9C08.C28.o4.gp	Method	AAT/GAP
Start	4474	End	4908
GI	uC-osflcyp168b03a1	Score	740
Exons	4474..4908		
GI Descrip.	'3080424/emb|CAA18743.1| 9.0e-21 (AL022604) NAD+ dependent isocitrate dehydrogenase subunit 1 [Arabidopsis thaliana]'		
Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o4.tm	Method	TBLASTX:Maize
Start	1795	End	2078
GI	none	Score	216
Exons	1795..1920, 1810..1920, 1812..1925, 1928..2068, 1929..2078		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o1.tc	Method	TBLASTX:Cress
Start	1798	End	4660
GI	none	Score	200
Exons	1798..1920, 1810..1920, 1812..1925, 1929..2240, 1931..2239, 3428..3673, 3429..3635, 3430..3675, 3431..3664, 4012..4092, 4378..4506, 4381..4653, 4382..4660		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o1.ts	Method	TBLASTX:Soybean
Start	1798	End	4663
GI	none	Score	198
Exons	1798..1920, 1810..1920, 1812..1928, 1929..2240, 1931..2239, 2166..2240, 3428..3673, 3430..3675, 3431..3664, 4012..4095, 4022..4105, 4381..4659, 4382..4663		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o1.tw	Method	TBLASTX:Wheat
Start	1827	End	2195
GI	none	Score	60
Exons	1827..1904, 1849..1905, 1977..2195, 2108..2188		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o5.tm	Method	TBLASTX:Maize
Start	2078	End	2240
GI	none	Score	190
Exons	2078..2188, 2079..2240		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o3.tm	Method	TBLASTX:Maize
Start	3406	End	4048
GI	none	Score	416
Exons	3406..3675, 3407..3664, 4011..4046, 4013..4048		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o2.tw	Method	TBLASTX:Wheat
Start	3590	End	4638
GI	none	Score	60
Exons	3590..3631, 4458..4592, 4462..4638, 4469..4636		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o1.tm	Method	TBLASTX:Maize
Start	4052	End	4814

GI	none	Score	97
Exons	4052..4093, 4054..4095, 4368..4634, 4369..4635, 4381..4644, 4382..4651, 4724..4798, 4725..4808, 4725..4814		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o2.ts	Method	TBLASTX:Soybean
Start	5636	End	5881
GI	none	Score	188
Exons	5636..5881, 5692..5880		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o2.tc	Method	TBLASTX:Cress
Start	5696	End	6058
GI	none	Score	154
Exons	5696..5887, 5698..5748, 5839..6015, 5939..6025, 6011..6058, 6019..6057		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o2.tm	Method	TBLASTX:Maize
Start	5699	End	6115
GI	none	Score	426
Exons	5699..6115, 5710..6114		

Seq. No.	17309	Seq. ID	OJ990827_07.9C08.C28
Gene No.	36342	Strand	-
Start	6022	End	6284
Name	OJ990827_07.9C08.C28.o5.gp	Method	AAT/GAP
Start	6022	End	6284
GI	82921_1.R1084	Score	491
Exons	6022..6284		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	17310	Seq. ID	OJ990827_07.9C08.C29
Gene No.	36343	Strand	+
Start	2554	End	2925
Name	OJ990827_07.9C08.C29.o1.gp	Method	AAT/GAP
Start	2554	End	2925
GI	5003378	Score	656
Exons	2554..2925		

Seq. No.	17310	Seq. ID	OJ990827_07.9C08.C29
Gene No.	36344	Strand	+
Start	2926	End	3371
Name	OJ990827_07.9C08.C29.o2.gp	Method	AAT/GAP
Start	2926	End	3371
GI	5003377	Score	808
Exons	2926..3371		

Seq. No.	17311	Seq. ID	OJ990827_07.9C08.C30
Gene No.	36345	Strand	+

Start	1442	End	1789
Name	OJ990827_07.9C08.C30.o1.gs	Method	GENSCAN
Start	1442	End	1789
GI	none	Score	.53
Exons	1442..1789		

Seq. No.	17311	Seq. ID	OJ990827_07.9C08.C30
Gene No.	36346	Strand	-
Start	3515	End	4471
Name	OJ990827_07.9C08.C30.o2.gs	Method	GENSCAN
Start	3515	End	4471
GI	none	Score	.77
Exons	3515..3628, 4338..4471		

Seq. No.	17312	Seq. ID	OJ990827_07.9C08.C32
Gene No.	36347	Strand	+
Start	318	End	489
Name	OJ990827_07.9C08.C32.o1.gs	Method	GENSCAN
Start	318	End	489
GI	none	Score	.76
Exons	318..489		

Seq. No.	17312	Seq. ID	OJ990827_07.9C08.C32
Gene No.	36348	Strand	-
Start	1492	End	1529
Name	OJ990827_07.9C08.C32.o2.gs	Method	GENSCAN
Start	1492	End	1529
GI	none	Score	.88
Exons	1492..1529		

Seq. No.	17313	Seq. ID	OJ990827_07.9C08.C33
Gene No.	36349	Strand	+
Start	1573	End	1969
Name	OJ990827_07.9C08.C33.o1.gs	Method	GENSCAN
Start	1573	End	1809
GI	none	Score	.75
Exons	1573..1809		

Seq. No.	17313	Seq. ID	OJ990827_07.9C08.C33
Gene No.	36349	Strand	+
Start	1573	End	1969
Name	OJ990827_07.9C08.C33.o1.gp	Method	AAT/GAP
Start	1703	End	1969
GI	none	Score	455
Exons	1703..1969		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36350	Strand	+
Start	743	End	2981
Name	OJ990827_07.9C08.C34.o1.gs	Method	GENSCAN
Start	743	End	2981
GI	none	Score	.59
Exons	743..886, 1103..2149, 2582..2738, 2866..2981		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36350	Strand	+
Start	743	End	2981

Name	OJ990827_07.9C08.C34.o1.np	Method	AAT/NAP
Start	1038	End	2200
GI	6016720	Score	1478
Exons	1038..2200		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36350	Strand	+
Start	743	End	2981
Name	OJ990827_07.9C08.C34.o1.gp	Method	AAT/GAP
Start	2184	End	2577
GI	none	Score	769
Exons	2184..2577		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-
Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o1.tm	Method	TBLASTX:Maize
Start	1105	End	2329
GI	none	Score	87
Exons	1105..2208, 1106..1162, 1118..2215, 1217..2206, 2300..2329		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-
Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o2.ts	Method	TBLASTX:Soybean
Start	1109	End	1339
GI	none	Score	54
Exons	1109..1162, 1178..1321, 1217..1339, 1225..1338		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-
Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o1.ts	Method	TBLASTX:Soybean
Start	1340	End	2197
GI	none	Score	1243
Exons	1340..2197, 1346..2083, 1438..2193		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-
Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o1.tc	Method	TBLASTX:Cress
Start	1445	End	1911
GI	none	Score	667
Exons	1445..1909, 1451..1906, 1453..1911		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-
Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o1.tw	Method	TBLASTX:Wheat
Start	1812	End	2403
GI	none	Score	289
Exons	1812..2198, 1813..2199, 1817..2203, 1819..2208, 1847..2203, 2244..2294, 2319..2354, 2327..2368, 2362..2403, 2376..2402		

Seq. No.	17314	Seq. ID	OJ990827_07.9C08.C34
Gene No.	36351	Strand	-

Start	3542	End	3689
Name	OJ990827_07.9C08.C34.o2.gs	Method	GENSCAN
Start	3542	End	3689
GI	none	Score	.87
Exons	3542..3689		

Seq. No.	17315	Seq. ID	OJ990827_07.9C08.C35
Gene No.	36352	Strand	-
Start	135	End	273
Name	OJ990827_07.9C08.C35.o1.gs	Method	GENSCAN
Start	135	End	273
GI	none	Score	.78
Exons	135..273		

Seq. No.	17316	Seq. ID	OJ990827_07.9C08.C36
Gene No.	36353	Strand	+
Start	75	End	166
Name	OJ990827_07.9C08.C36.o1.gp	Method	AAT/GAP
Start	75	End	166
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	75..166		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17317	Seq. ID	OJ990827_03.9C01.C2
Gene No.	36354	Strand	+
Start	1	End	763
Name	OJ990827_03.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	763
GI	3402693	Score	73
Exons	1..50, 566..629, 745..763		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	17318	Seq. ID	OJ990827_03.9C01.C3
Gene No.	36355	Strand	+
Start	49	End	1859
Name	OJ990827_03.9C01.C3.o1.gs	Method	GENSCAN
Start	49	End	1859
GI	none	Score	.43
Exons	49..102, 184..333, 437..749, 1277..1361, 1490..1628, 1774..1859		

Seq. No.	17319	Seq. ID	OJ990827_03.9C01.C4
Gene No.	36356	Strand	+
Start	88	End	489
Name	OJ990827_03.9C01.C4.o1.gs	Method	GENSCAN
Start	88	End	489
GI	none	Score	.86
Exons	88..179, 426..489		

Seq. No.	17319	Seq. ID	OJ990827_03.9C01.C4
Gene No.	36357	Strand	-
Start	149	End	775
Name	OJ990827_03.9C01.C4.o1.gp	Method	AAT/GAP
Start	149	End	775
GI	4245_1.R1084	Score	660
Exons	149..436, 675..775		

GI Descrip.	'1173187/sp|P46297|RS23_FRAAN 2.0e-40 40S RIBOSOMAL PROTEIN S23 (S12) >gi_1362041_pir__S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry >gi_643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]'		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36358	Strand	+
Start	144	End	6375
Name	OJ990827_03.9C01.C5.o1.gs	Method	GENSCAN
Start	144	End	6375
GI	none	Score	.49
Exons	144..315, 352..1278, 1374..2776, 2840..3531, 3588..4428, 4633..4755, 4822..6375		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36358	Strand	+
Start	144	End	6375
Name	OJ990827_03.9C01.C5.o1.np	Method	AAT/NAP
Start	928	End	6372
GI	6498441	Score	7141
Exons	928..1991, 2313..2776, 2840..3213, 3397..3531, 3705..4428, 4600..5997, 6091..6372		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36359	Strand	+
Start	10423	End	13989
Name	OJ990827_03.9C01.C5.o3.gs	Method	GENSCAN
Start	10423	End	13989
GI	none	Score	.6
Exons	10423..10511, 11103..11178, 11503..11673, 12189..12325, 13135..13182, 13920..13989		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36359	Strand	+
Start	10423	End	13989
Name	OJ990827_03.9C01.C5.o3.np	Method	AAT/NAP
Start	12050	End	12338
GI	6539588	Score	200
Exons	12050..12338		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36360	Strand	-
Start	7006	End	10142
Name	OJ990827_03.9C01.C5.o2.gs	Method	GENSCAN
Start	7006	End	10142
GI	none	Score	.92
Exons	7006..8745, 8907..9946, 10013..10142		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36360	Strand	-
Start	7006	End	10142
Name	OJ990827_03.9C01.C5.o2.np	Method	AAT/NAP
Start	7009	End	10142

GI	6907089	Score	4130
Exons	7009..8779, 8880..10142		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o6.tw	Method	TBLASTX:Wheat
Start	1131	End	12337
GI	none	Score	116
Exons	1131..1229, 1148..1228, 1212..1286, 1286..1468, 1291..1434, 12224..12337		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o3.tw	Method	TBLASTX:Wheat
Start	2197	End	2683
GI	none	Score	412
Exons	2197..2370, 2198..2683, 2392..2652, 2417..2656		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	2847	End	3310
GI	none	Score	211
Exons	2847..3305, 2848..3303, 2849..3310, 2849..3304		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o2.ts	Method	TBLASTX:Soybean
Start	2888	End	3253
GI	none	Score	114
Exons	2888..3112, 3119..3253		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	2978	End	3334
GI	none	Score	384
Exons	2978..3334, 3013..3324, 3218..3334		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o3.tm	Method	TBLASTX:Maize
Start	3361	End	3744
GI	none	Score	287
Exons	3361..3645, 3362..3646, 3634..3744		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o2.tw	Method	TBLASTX:Wheat

Start	3418	End	3837
GI	none	Score	281
Exons	3418..3648, 3419..3649, 3631..3837, 3657..3812		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o1.ts	Method	TBLASTX:Soybean
Start	3497	End	3867
GI	none	Score	154
Exons	3497..3640, 3514..3639, 3637..3867		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o5.tw	Method	TBLASTX:Wheat
Start	4273	End	4734
GI	none	Score	224
Exons	4273..4524, 4300..4551, 4365..4550, 4585..4734, 4596..4733		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o8.tw	Method	TBLASTX:Wheat
Start	4737	End	5049
GI	none	Score	179
Exons	4737..4913, 4789..5049		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	5242	End	5565
GI	none	Score	356
Exons	5242..5565, 5286..5552		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o4.tw	Method	TBLASTX:Wheat
Start	5379	End	5780
GI	none	Score	374
Exons	5379..5780, 5380..5760		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o7.tw	Method	TBLASTX:Wheat
Start	5784	End	6363
GI	none	Score	41
Exons	5784..5825, 5785..6045, 5787..6044, 5809..6177, 5901..6071, 6237..6359, 6238..6363		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o4.tm	Method	TBLASTX:Maize

Start	6232	End	6375
GI	none	Score	183
Exons	6232..6375, 6237..6371		

Seq. No.	17320	Seq. ID	OJ990827_03.9C01.C5
Gene No.	36361	Strand	-
Start	15373	End	15428
Name	OJ990827_03.9C01.C5.o4.gs	Method	GENSCAN
Start	15373	End	15428
GI	none	Score	.61
Exons	15373..15428		

Seq. No.	17321	Seq. ID	OJ990827_03.9C01.C6
Gene No.	36362	Strand	+
Start	1798	End	2108
Name	OJ990827_03.9C01.C6.o1.gs	Method	GENSCAN
Start	1798	End	2108
GI	none	Score	.51
Exons	1798..2108		

Seq. No.	17321	Seq. ID	OJ990827_03.9C01.C6
Gene No.	36363	Strand	-
Start	2075	End	2212
Name	OJ990827_03.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	1787	End	2092
GI	none	Score	308
Exons	1787..2092, 1792..2091		

Seq. No.	17321	Seq. ID	OJ990827_03.9C01.C6
Gene No.	36363	Strand	-
Start	2075	End	2212
Name	OJ990827_03.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	2025	End	2212
GI	none	Score	175
Exons	2025..2210, 2051..2212		

Seq. No.	17321	Seq. ID	OJ990827_03.9C01.C6
Gene No.	36363	Strand	-
Start	2075	End	2212
Name	OJ990827_03.9C01.C6.o1.np	Method	AAT/NAP
Start	2075	End	2212
GI	6598613	Score	211
Exons	2075..2212		
GI Descrip.	(AC006587) putative vacuolar proton-ATPase subunit [Arabidopsis thaliana]		

Seq. No.	17322	Seq. ID	OJ990827_03.9C01.C7
Gene No.	36364	Strand	-
Start	1	End	198
Name	OJ990827_03.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	198
GI	6598613	Score	184
Exons	1..198		
GI Descrip.	(AC006587) putative vacuolar proton-ATPase subunit [Arabidopsis thaliana]		

Seq. No.	17322	Seq. ID	OJ990827_03.9C01.C7

Gene No.	36365	Strand	-
Start	482	End	600
Name	OJ990827_03.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	3	End	196
GI	none	Score	35
Exons	3..35, 12..35, 34..84, 36..104, 45..89, 83..187, 83..196, 96..194, 97..195		

Seq. No.	17322	Seq. ID	OJ990827_03.9C01.C7
Gene No.	36365	Strand	-
Start	482	End	600
Name	OJ990827_03.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	41	End	196
GI	none	Score	64
Exons	41..196, 45..113, 53..196		

Seq. No.	17322	Seq. ID	OJ990827_03.9C01.C7
Gene No.	36365	Strand	-
Start	482	End	600
Name	OJ990827_03.9C01.C7.o1.gs	Method	GENSCAN
Start	482	End	600
GI	none	Score	.44
Exons	482..600		

Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36366	Strand	+
Start	2953	End	8785
Name	OJ990827_03.9C01.C8.o2.gs	Method	GENSCAN
Start	2953	End	8785
GI	none	Score	.72
Exons	2953..3019, 3503..3554, 5915..6179, 6461..6598, 8225..8785		

Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36367	Strand	+
Start	9339	End	9429
Name	OJ990827_03.9C01.C8.o3.gp	Method	AAT/GAP
Start	9339	End	9429
GI	5771201	Score	107
Exons	9339..9429		
GI Descrip.	287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)		

Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36368	Strand	-
Start	1	End	1984
Name	OJ990827_03.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	563
GI	3402693	Score	229
Exons	1..563		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36368	Strand	-
Start	1	End	1984
Name	OJ990827_03.9C01.C8.o1.gs	Method	GENSCAN
Start	34	End	1984
GI	none	Score	.82

Exons	34..525, 606..675, 1300..1633, 1831..1984		
Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36368	Strand	-
Start	1	End	1984
Name	OJ990827_03.9C01.C8.o1.gp	Method	AAT/GAP
Start	64	End	491
GI	uC-osf1cyp058c07b1	Score	832
Exons	64..491		
GI Descrip.	'4895261/gb|AAD32845.1|AC007658_4 1.0e-60 (AC007658) putative serine/threonine protein kinase, 5'' partial [Arabidopsis thaliana]'		
Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36369	Strand	-
Start	4592	End	4875
Name	OJ990827_03.9C01.C8.o2.np	Method	AAT/NAP
Start	4592	End	4875
GI	6721512	Score	107
Exons	4592..4729, 4758..4875		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	17323	Seq. ID	OJ990827_03.9C01.C8
Gene No.	36370	Strand	-
Start	5617	End	5700
Name	OJ990827_03.9C01.C8.o2.gp	Method	AAT/GAP
Start	5617	End	5700
GI	5455354	Score	102
Exons	5617..5700		
GI Descrip.	6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		
Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36371	Strand	+
Start	1	End	12145
Name	OJ990827_03.9C01.C9.o1.np	Method	AAT/NAP
Start	1	End	11629
GI	2654868	Score	1946
Exons	1..137, 7516..7585, 7659..7839, 8424..8586, 8696..8744, 8850..9773, 9861..9956, 10049..10164, 10252..10354, 10477..10541, 10657..10807, 10860..11048, 11145..11273, 11358..11436, 11523..11629		
GI Descrip.	(AF015301) RbohAp108 [Arabidopsis thaliana]		
Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36371	Strand	+
Start	1	End	12145
Name	OJ990827_03.9C01.C9.o2.gs	Method	GENSCAN
Start	8426	End	11654
GI	none	Score	.79
Exons	8426..8586, 8696..8744, 8850..9773, 9861..9956, 10049..10164, 10252..10354, 10667..10807, 11145..11654		
Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36371	Strand	+
Start	1	End	12145
Name	OJ990827_03.9C01.C9.o1.gp	Method	AAT/GAP

Start	8710	End	9214
GI	uC-osflm202112f12b1	Score	767
Exons	8710..8744, 8850..9214		
GI Descrip.	'4585142/gb|AAD25300.1|AF088276_1 2.0e-27 (AF088276) NADPH oxidase; gp91; phox homolog [Lycopersicon esculentum]'		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36371	Strand	+
Start	1	End	12145
Name	OJ990827_03.9C01.C9.o2.gp	Method	AAT/GAP
Start	11157	End	12145
GI	6419_1.R1084	Score	1516
Exons	11157..11273, 11358..11436, 11523..12145		
GI Descrip.	'4585142/gb|AAD25300.1|AF088276_1 4.0e-37 (AF088276) NADPH oxidase; gp91; phox homolog [Lycopersicon esculentum]'		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36372	Strand	-
Start	1819	End	7837
Name	OJ990827_03.9C01.C9.o1.gs	Method	GENSCAN
Start	1819	End	7837
GI	none	Score	.72
Exons	1819..2395, 6229..6363, 7161..7837		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	7692	End	11671
GI	none	Score	120
Exons	7692..7862, 8422..8469, 8423..8497, 8452..8586, 8477..8587, 8700..8747, 8847..8987, 8852..8989, 9018..9683, 9119..9385, 9518..9691, 9854..9910, 9861..9959, 10033..10170, 10043..10171, 10252..10356, 10253..10384, 10654..10809, 10661..10807, 10961..11023, 10962..11042, 10962..11045, 11142..11276, 11148..11273, 11150..11317, 11355..11438, 11363..11395, 11522..11671		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o1.ts	Method	TBLASTX:Soybean
Start	7779	End	11637
GI	none	Score	69
Exons	7779..7862, 8423..8488, 8455..8586, 8504..8587, 8847..8987, 8852..8989, 9045..9335, 9111..9215, 9113..9241, 9336..9485, 9353..9379, 9516..9773, 9554..9694, 9746..9772, 9861..9959, 9864..9908, 10043..10171, 10060..10170, 10252..10326, 10253..10354, 10654..10794, 10655..10807, 10655..10813, 10959..11042, 10961..11020, 11133..11276, 11147..11275, 11355..11438, 11363..11395, 11513..11632, 11521..11637		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	9122	End	9386

GI	none	Score	296
Exons	9122..9385, 9123..9386		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o1.tw	Method	TBLASTX:Wheat
Start	9332	End	9736
GI	none	Score	395
Exons	9332..9385, 9333..9683, 9443..9736		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	9444	End	9911
GI	none	Score	37
Exons	9444..9485, 9489..9683, 9503..9685, 9741..9773, 9861..9911		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o2.tw	Method	TBLASTX:Wheat
Start	9860	End	10336
GI	none	Score	93
Exons	9860..9904, 9861..9959, 9976..10170, 10043..10171, 10252..10335, 10253..10336		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	10036	End	11896
GI	none	Score	85
Exons	10036..10170, 10048..10164, 10049..10171, 10237..10353, 10248..10355, 10250..10354, 10252..10356, 10253..10381, 10462..10566, 10474..10566, 10476..10574, 10511..10582, 10653..10808, 10654..10809, 10655..10807, 10796..11023, 10896..11045, 10899..11048, 11145..11276, 11145..11270, 11146..11277, 11150..11314, 11355..11438, 11357..11440, 11503..11628, 11521..11634, 11522..11635, 11522..11635, 11667..11765, 11677..11766, 11678..11767, 11758..11820, 11759..11833, 11766..11822, 11767..11847, 11834..11896, 11835..11894		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o3.gs	Method	GENSCAN
Start	11833	End	12539
GI	none	Score	.44
Exons	11833..12539		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o2.tm	Method	TBLASTX:Maize

Start	12319	End	12636
GI	none	Score	137
Exons	12319..12474, 12319..12636, 12342..12635, 12520..12636		

Seq. No.	17324	Seq. ID	OJ990827_03.9C01.C9
Gene No.	36373	Strand	-
Start	11833	End	12636
Name	OJ990827_03.9C01.C9.o2.np	Method	AAT/NAP
Start	12327	End	12636
GI	6729552	Score	199
Exons	12327..12636		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	210	End	727
GI	none	Score	147
Exons	210..299, 212..298, 217..303, 217..303, 394..525, 395..727, 401..724, 577..726		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.gs	Method	GENSCAN
Start	214	End	811
GI	none	Score	.47
Exons	214..297, 417..811		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.np	Method	AAT/NAP
Start	214	End	858
GI	3402693	Score	412
Exons	214..297, 417..858		
GI Descrip.	(AC004697) unknown protein [Arabidopsis thaliana]		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	227	End	616
GI	none	Score	112
Exons	227..298, 228..299, 401..616, 404..613, 417..614		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.gp	Method	AAT/GAP
Start	241	End	800
GI	LIB3475-005-P1-K1-D4	Score	826
Exons	241..297, 417..800		
GI Descrip.	'3402693 9.0e-43 (AC004697) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17325	Seq. ID	OJ990827_03.9C01.C10
Gene No.	36374	Strand	+
Start	214	End	858
Name	OJ990827_03.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	412	End	679
GI	none	Score	134
Exons	412..639, 415..525, 416..679, 425..628		

Seq. No.	17326	Seq. ID	OJ990827_03.9C01.C11
Gene No.	36375	Strand	+
Start	372	End	2825
Name	OJ990827_03.9C01.C11.o1.gs	Method	GENSCAN
Start	372	End	2825
GI	none	Score	.83
Exons	372..570, 852..932, 1039..1140, 1470..1609, 1834..1951, 2604..2825		

Seq. No.	17326	Seq. ID	OJ990827_03.9C01.C11
Gene No.	36375	Strand	+
Start	372	End	2825
Name	OJ990827_03.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	504	End	1879
GI	none	Score	110
Exons	504..584, 505..573, 848..934, 850..933, 852..935, 1028..1141, 1037..1141, 1038..1142, 1431..1538, 1464..1610, 1468..1611, 1469..1609, 1831..1878, 1832..1879		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36376	Strand	+
Start	1670	End	5033
Name	OJ990827_03.9C01.C12.o1.gs	Method	GENSCAN
Start	1670	End	5033
GI	none	Score	.63
Exons	1670..1728, 1989..2338, 2400..2486, 2643..2864, 3478..3675, 4761..4909, 5025..5033		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36376	Strand	+
Start	1670	End	5033
Name	OJ990827_03.9C01.C12.o1.gp	Method	AAT/GAP
Start	1957	End	2589
GI	18005_1.R1084	Score	1214
Exons	1957..2589		
GI Descrip.	'4512707/gb|AAD21760.1| 2.0e-16 (AC006569) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36377	Strand	-
Start	7376	End	9940
Name	OJ990827_03.9C01.C12.o2.gs	Method	GENSCAN
Start	7376	End	9940
GI	none	Score	.61
Exons	7376..7466, 7897..8122, 8347..8457, 9775..9940		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471

Name	OJ990827_03.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	2054	End	2287
GI	none	Score	72
Exons	2054..2191, 2090..2245, 2158..2241, 2177..2287		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	11939	End	16471
GI	none	Score	41
Exons	11939..11980, 11942..11980, 12083..12118, 12087..12107, 12121..12183, 12148..12189, 12186..12389, 12186..12389, 13391..13489, 13432..13488, 13564..13704, 13572..13703, 13572..13706, 13574..13708, 13807..13839, 13814..13999, 13815..14009, 13873..14001, 15281..15394, 15298..15396, 15298..15396, 15486..15635, 15494..15634, 16089..16142, 16093..16131, 16279..16470, 16289..16471		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o3.gs	Method	GENSCAN
Start	12202	End	16464
GI	none	Score	.85
Exons	12202..12387, 13385..13487, 13572..13702, 13813..14001, 15304..15392, 15493..15633, 16094..16329, 16352..16464		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o1.np	Method	AAT/NAP
Start	12205	End	16464
GI	4512707	Score	1194
Exons	12205..12387, 13382..13487, 13572..13702, 13813..14001, 15304..15392, 15490..15633, 16094..16178, 16288..16464		
GI Descrip.	(AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o2.gp	Method	AAT/GAP
Start	13369	End	15352
GI	LIB3431-051-P1-K1-E5	Score	789
Exons	13369..13487, 13572..13702, 13813..14001, 15304..15352		
GI Descrip.	'4512707/gb|AAD21760.1| 5.0e-41 (AC006569) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	13388	End	16459
GI	none	Score	87
Exons	13388..13489, 13572..13703, 13572..13688, 13649..13705, 13814..13993, 13815..13991, 13815..13994, 13862..14002, 13873..14001, 15298..15393, 15307..15393, 15486..15635,		

15497..15634, 16089..16199, 16279..16458, 16289..16459

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	15495	End	16438
GI	none	Score	156
Exons	15495..15635, 15497..15634, 16089..16142, 16279..16437, 16289..16438		

Seq. No.	17327	Seq. ID	OJ990827_03.9C01.C12
Gene No.	36378	Strand	-
Start	12202	End	16471
Name	OJ990827_03.9C01.C12.o3.gp	Method	AAT/GAP
Start	16297	End	16469
GI	3107796	Score	334
Exons	16297..16469		
GI Descrip.	4512707/gb|AAD21760.1| 2.0e-16 (AC006569) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17328	Seq. ID	OJ990827_03.9C01.C13
Gene No.	36379	Strand	+
Start	1946	End	2040
Name	OJ990827_03.9C01.C13.o1.gp	Method	AAT/GAP
Start	1946	End	2040
GI	LIB3433-049-P1-K1-G4	Score	162
Exons	1946..2040		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.gs	Method	GENSCAN
Start	974	End	2351
GI	none	Score	.79
Exons	974..1066, 1702..1857, 1942..2068, 2142..2229, 2256..2351		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.gp	Method	AAT/GAP
Start	975	End	2290
GI	LIB3433-049-P1-K1-G4	Score	952
Exons	975..1066, 1702..1857, 1942..2068, 2142..2290		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	1669	End	2427
GI	none	Score	213
Exons	1669..1872, 1701..1856, 1703..1867, 1939..2070, 1943..2068, 2138..2284, 2142..2285, 2300..2413, 2305..2418, 2340..2426,		

2349..2417, 2350..2427

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	1683	End	2302
GI	none	Score	119
Exons	1683..1838, 1700..1870, 1701..1838, 1702..1842, 1702..1872, 1703..1867, 1939..2070, 1943..2068, 2138..2302, 2142..2291		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.np	Method	AAT/NAP
Start	1697	End	2279
GI	1173187	Score	641
Exons	1697..1857, 1942..2068, 2142..2279		
GI Descrip.	40S RIBOSOMAL PROTEIN S23 (S12) gi|1362041|pir||S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry gi|643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	1703	End	2070
GI	none	Score	283
Exons	1703..1867, 1704..1862, 1705..1872, 1931..2068, 1939..2070, 1943..2068		

Seq. No.	17329	Seq. ID	OJ990827_03.9C01.C14
Gene No.	36380	Strand	+
Start	974	End	2427
Name	OJ990827_03.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	1732	End	2295
GI	none	Score	196
Exons	1732..1872, 1733..1867, 1939..2070, 1943..2068, 2138..2293, 2142..2294, 2143..2295		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.gp	Method	AAT/GAP
Start	730	End	1372
GI	4245_1.R1084	Score	763
Exons	730..814, 902..1121, 1243..1372		
GI Descrip.	'1173187/sp|P46297|RS23_FRAAN 2.0e-40 40S RIBOSOMAL PROTEIN S23 (S12) >gi_1362041_pir__S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry >gi_643074 (U19940) putative 40S ribosomal protein s12 [Fragaria x ananassa]'		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.np	Method	AAT/NAP

Start	900	End	1372
GI	22380	Score	377
Exons	900..1121, 1243..1372		
GI Descrip.	(X59714) CAAT-box DNA binding protein subunit B (NF-YB) [Zea mays]		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	913	End	1375
GI	none	Score	264
Exons	913..1122, 993..1121, 1240..1371, 1244..1375, 1264..1371		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	916	End	1401
GI	none	Score	246
Exons	916..1122, 996..1121, 1244..1375, 1258..1401		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.gs	Method	GENSCAN
Start	925	End	1372
GI	none	Score	.57
Exons	925..1121, 1243..1372		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.tw	Method	TBLASTX:Wheat
Start	943	End	1375
GI	none	Score	278
Exons	943..1122, 992..1009, 994..1035, 996..1121, 1099..1122, 1240..1371, 1244..1375, 1261..1371		

Seq. No.	17330	Seq. ID	OJ990827_03.9C01.C15
Gene No.	36381	Strand	+
Start	730	End	1401
Name	OJ990827_03.9C01.C15.o1.tc	Method	TBLASTX:Cress
Start	970	End	1375
GI	none	Score	225
Exons	970..1122, 996..1121, 1244..1375, 1258..1371		

Seq. No.	17331	Seq. ID	OJ990827_03.9C01.C16
Gene No.	36382	Strand	+
Start	1	End	253
Name	OJ990827_03.9C01.C16.o1.gp	Method	AAT/GAP
Start	1	End	253
GI	3760976	Score	454
Exons	1..253		
GI Descrip.	1173187/sp|P46297|RS23_FRAAN 2.0e-40 40S RIBOSOMAL PROTEIN S23 (S12) >gi_1362041_pir__S56673 ribosomal protein S23.e, cytosolic (clone RJ3) - garden strawberry >gi_643074 (U19940) putative 40S		

ribosomal protein s12 [Fragaria x ananassa]

Seq. No.	17332	Seq. ID	OJ990827_03.9C01.C17
Gene No.	36383	Strand	+
Start	937	End	1095
Name	OJ990827_03.9C01.C17.o1.gs	Method	GENSCAN
Start	937	End	1095
GI	none	Score	.72
Exons	937..1095		

Seq. No.	17332	Seq. ID	OJ990827_03.9C01.C17
Gene No.	36384	Strand	-
Start	1384	End	2367
Name	OJ990827_03.9C01.C17.o2.gs	Method	GENSCAN
Start	1384	End	2367
GI	none	Score	.61
Exons	1384..1775, 2202..2367		

Seq. No.	17333	Seq. ID	OJ990827_03.9C01.C18
Gene No.	36385	Strand	+
Start	736	End	6445
Name	OJ990827_03.9C01.C18.o1.gs	Method	GENSCAN
Start	736	End	6445
GI	none	Score	.67
Exons	736..828, 976..979, 1253..1326, 2893..2912, 3011..3070, 4157..4563, 4893..5190, 5295..5398, 6180..6445		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36386	Strand	+
Start	267	End	1855
Name	OJ990827_03.9C01.C19.o1.gs	Method	GENSCAN
Start	267	End	1548
GI	none	Score	.68
Exons	267..407, 673..951, 1390..1548		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36386	Strand	+
Start	267	End	1855
Name	OJ990827_03.9C01.C19.o1.np	Method	AAT/NAP
Start	297	End	1855
GI	4587987	Score	751
Exons	297..407, 673..951, 1390..1533, 1676..1855		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36386	Strand	+
Start	267	End	1855
Name	OJ990827_03.9C01.C19.o1.gp	Method	AAT/GAP
Start	305	End	1472
GI	3768330	Score	831
Exons	305..407, 673..951, 1390..1472		
GI Descrip.	4895261/gb|AAD32845.1|AC007658_4 1.0e-60 (AC007658) putative serine/threonine protein kinase, 5' partial [Arabidopsis thaliana]		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36387	Strand	+
Start	2638	End	4635
Name	OJ990827_03.9C01.C19.o2.gp	Method	AAT/GAP
Start	2625	End	3142
GI	uC-osflcyp151b02b1	Score	1020
Exons	2625..3142		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36387	Strand	+
Start	2638	End	4635
Name	OJ990827_03.9C01.C19.o2.gs	Method	GENSCAN
Start	2638	End	4635
GI	none	Score	1
Exons	2638..4635		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o1.tc	Method	TBLASTX:Cress
Start	297	End	954
GI	none	Score	137
Exons	297..407, 299..406, 670..954, 687..953		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.tm	Method	TBLASTX:Maize
Start	297	End	954
GI	none	Score	162
Exons	297..407, 298..408, 299..406, 668..952, 670..954, 672..953		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	668	End	1786
GI	none	Score	301
Exons	668..952, 670..954, 675..953, 1363..1533, 1369..1542, 1371..1535, 1457..1543, 1673..1786, 1675..1782		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o5.tm	Method	TBLASTX:Maize
Start	1387	End	1543
GI	none	Score	211
Exons	1387..1533, 1390..1542, 1392..1535, 1460..1543		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o4.tm	Method	TBLASTX:Maize
Start	1673	End	2145
GI	none	Score	263
Exons	1673..1852, 1673..1852, 1674..1856, 1675..1860, 1852..1890,		

2056..2088, 2110..2145

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o5.ts	Method	TBLASTX:Soybean
Start	3022	End	4131
GI	none	Score	83
Exons	3022..3309, 3028..3312, 3034..3255, 3127..3408, 3316..3411, 3319..3408, 3322..3405, 3406..3459, 3778..4131, 3781..3978, 3781..4035, 3781..4104, 3781..4131, 3874..4128		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o1.tm	Method	TBLASTX:Maize
Start	3028	End	3717
GI	none	Score	88
Exons	3028..3243, 3072..3317, 3082..3318, 3085..3156, 3264..3464, 3316..3465, 3415..3465, 3430..3477, 3541..3717		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o2.tc	Method	TBLASTX:Cress
Start	3547	End	4458
GI	none	Score	60
Exons	3547..3645, 4048..4458, 4062..4430, 4117..4431		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o2.ts	Method	TBLASTX:Soybean
Start	3547	End	4596
GI	none	Score	71
Exons	3547..3693, 4243..4596, 4254..4454		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.gp	Method	AAT/GAP
Start	4464	End	4856
GI	none	Score	778
Exons	4464..4856		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.np	Method	AAT/NAP
Start	4485	End	7091
GI	6572952	Score	92
Exons	4485..4598, 5508..5625, 5842..5920, 5998..6125, 7067..7091		
GI Descrip.	(AF189773) NLI-interacting factor isoform T1; NLI/Ldb1/CLIM interacting factor [Gallus gallus]		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-

Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o2.tm	Method	TBLASTX:Maize
Start	4963	End	6264
GI	none	Score	59
Exons	4963..5019, 4963..5028, 5027..5080, 5028..5075, 5029..5076, 5153..5188, 5156..5182, 5160..5189, 5241..5393, 5245..5391, 5250..5393, 5469..5624, 5479..5628, 5485..5631, 5632..5646, 5829..5921, 5838..5921, 5839..5922, 5839..5922, 5990..6112, 6009..6125, 6009..6119, 6010..6126, 6010..6144, 6205..6264, 6207..6239		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.gs	Method	GENSCAN
Start	5225	End	6335
GI	none	Score	.79
Exons	5225..5345, 5839..5920, 5998..6118, 6207..6335		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o4.gp	Method	AAT/GAP
Start	5250	End	6335
GI	22778_1.R1084	Score	1110
Exons	5250..5390, 5472..5625, 5839..5920, 5998..6118, 6207..6335		
GI Descrip.	'2131751/pir||S64841 2.0e-16 hypothetical protein YLR019w - yeast (Saccharomyces cerevisiae) >gi_1360322_emb_CAA97541_ (Z73191) ORF YLR019w [Saccharomyces cerevisiae]'		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.ts	Method	TBLASTX:Soybean
Start	5255	End	5573
GI	none	Score	113
Exons	5255..5377, 5277..5393, 5278..5391, 5463..5573, 5476..5568, 5499..5573		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o3.tc	Method	TBLASTX:Cress
Start	5277	End	5571
GI	none	Score	113
Exons	5277..5393, 5278..5394, 5281..5397, 5282..5398, 5463..5564, 5464..5565, 5491..5571		

Seq. No.	17334	Seq. ID	OJ990827_03.9C01.C19
Gene No.	36388	Strand	-
Start	4464	End	7091
Name	OJ990827_03.9C01.C19.o4.ts	Method	TBLASTX:Soybean
Start	5574	End	6124
GI	none	Score	62
Exons	5574..5624, 5575..5628, 5838..5921, 5839..5922, 5873..5935, 5996..6100, 5997..6092, 5999..6124		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36389	Strand	+
Start	3374	End	8299
Name	OJ990827_03.9C01.C21.o2.gs	Method	GENSCAN
Start	3374	End	8299
GI	none	Score	.5
Exons	3374..3696, 3801..4020, 4031..4104, 4237..4582, 6402..6443, 7014..7324, 7549..7641, 7659..7760, 7876..8299		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36389	Strand	+
Start	3374	End	8299
Name	OJ990827_03.9C01.C21.o2.np	Method	AAT/NAP
Start	3545	End	4630
GI	4510387	Score	457
Exons	3545..3696, 4237..4630		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36389	Strand	+
Start	3374	End	8299
Name	OJ990827_03.9C01.C21.o1.gp	Method	AAT/GAP
Start	3860	End	4267
GI	none	Score	507
Exons	3860..4104, 4237..4267		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36389	Strand	+
Start	3374	End	8299
Name	OJ990827_03.9C01.C21.o2.gp	Method	AAT/GAP
Start	4269	End	6752
GI	67576_1.R1084	Score	1257
Exons	4269..4582, 6402..6752		
GI Descrip.	'4510386/gb|AAD21474.1| 2.0e-10 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36390	Strand	-
Start	349	End	3588
Name	OJ990827_03.9C01.C21.o1.gs	Method	GENSCAN
Start	349	End	3287
GI	none	Score	.43
Exons	349..363, 478..536, 768..939, 2564..2610, 3089..3287		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36390	Strand	-
Start	349	End	3588
Name	OJ990827_03.9C01.C21.o1.np	Method	AAT/NAP
Start	886	End	3588
GI	5042454	Score	182
Exons	886..946, 1340..1507, 3232..3588		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o2.tm	Method	TBLASTX:Maize

Start	3500	End	4484
GI	none	Score	175
Exons	3500..3697, 3589..3699, 3971..4042, 3973..4041, 4031..4105, 4037..4105, 4048..4107, 4234..4482, 4235..4483, 4235..4483, 4332..4484		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o1.tw	Method	TBLASTX:Wheat
Start	3589	End	4375
GI	none	Score	182
Exons	3589..3699, 3590..3697, 3961..4041, 3962..4042, 4031..4105, 4031..4105, 4048..4107, 4234..4368, 4235..4375		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o2.ts	Method	TBLASTX:Soybean
Start	3589	End	6467
GI	none	Score	135
Exons	3589..3699, 3590..3697, 3967..4041, 3968..4042, 4031..4105, 4049..4105, 4234..4368, 4235..4372, 4361..4582, 4402..4545, 6408..6467, 6413..6463		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o2.tc	Method	TBLASTX:Cress
Start	3589	End	6470
GI	none	Score	130
Exons	3589..3693, 3590..3697, 3944..4042, 4031..4105, 4235..4375, 4264..4362, 4412..4549, 4441..4536, 4547..4585, 4547..4621, 6381..6470		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.ts	Method	TBLASTX:Soybean
Start	7873	End	8284
GI	none	Score	193
Exons	7873..8040, 7898..8041, 8053..8115, 8090..8119, 8231..8284		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.gs	Method	GENSCAN
Start	8677	End	12078
GI	none	Score	.9
Exons	8677..8700, 9577..9682, 9832..9927, 10012..10139, 10778..11038, 11121..11206, 11302..11394, 11498..11593, 11724..12078		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.gp	Method	AAT/GAP
Start	9097	End	9336

GI	none	Score	472
Exons	9097..9336		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.np	Method	AAT/NAP
Start	9350	End	12078
GI	6648211	Score	1526
Exons	9350..9490, 9577..9682, 9832..9927, 10012..10139, 10778..11038, 11121..11206, 11302..11394, 11498..11593, 11724..12078		
GI Descrip.	(AC013483) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.tc	Method	TBLASTX:Cress
Start	9353	End	9930
GI	none	Score	119
Exons	9353..9493, 9354..9494, 9574..9684, 9629..9685, 9832..9930, 9834..9929		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o3.tm	Method	TBLASTX:Maize
Start	9354	End	9685
GI	none	Score	125
Exons	9354..9524, 9356..9490, 9586..9684, 9587..9685		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o1.ts	Method	TBLASTX:Soybean
Start	9356	End	12009
GI	none	Score	113
Exons	9356..9493, 9357..9491, 9554..9685, 9571..9687, 9574..9687, 9575..9703, 9834..9929, 9837..9926, 9838..9930, 10009..10140, 10012..10131, 10014..10139, 10778..10840, 10779..10832, 10841..10897, 10901..11038, 10902..11039, 10971..11039, 11118..11210, 11119..11208, 11292..11387, 11294..11395, 11297..11389, 11301..11396, 11493..11591, 11500..11592, 11704..11856, 11714..11857, 11863..12009, 11864..12001		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o1.tm	Method	TBLASTX:Maize
Start	9832	End	12003
GI	none	Score	93
Exons	9832..9930, 9832..9909, 9834..9929, 10009..10140, 10014..10139, 10808..11038, 10812..11039, 11118..11210, 11119..11208, 11294..11404, 11297..11389, 11498..11590, 11499..11591, 11500..11592, 11704..11781, 11704..11961, 11717..11962, 11968..12003		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o4.tc	Method	TBLASTX:Cress
Start	10035	End	11338
GI	none	Score	66
Exons	10035..10121, 10036..10119, 10808..10864, 10904..11038, 10928..11038, 11142..11210, 11294..11338		

Seq. No.	17335	Seq. ID	OJ990827_03.9C01.C21
Gene No.	36391	Strand	-
Start	8677	End	12078
Name	OJ990827_03.9C01.C21.o1.tc	Method	TBLASTX:Cress
Start	11339	End	12006
GI	none	Score	120
Exons	11339..11377, 11493..11591, 11500..11592, 11704..11856, 11717..11857, 11863..12006, 11864..12004		

Seq. No.	17336	Seq. ID	OJ990827_03.9C01.C22
Gene No.	36392	Strand	-
Start	70	End	2893
Name	OJ990827_03.9C01.C22.o1.gs	Method	GENSCAN
Start	70	End	1056
GI	none	Score	.42
Exons	70..153, 325..434, 618..716, 831..1056		

Seq. No.	17336	Seq. ID	OJ990827_03.9C01.C22
Gene No.	36392	Strand	-
Start	70	End	2893
Name	OJ990827_03.9C01.C22.o1.np	Method	AAT/NAP
Start	134	End	2893
GI	6539570	Score	187
Exons	134..188, 2444..2510, 2699..2893		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36393	Strand	+
Start	7410	End	8470
Name	OJ990827_03.9C01.C23.o2.gs	Method	GENSCAN
Start	7410	End	8470
GI	none	Score	.68
Exons	7410..7565, 8345..8470		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36394	Strand	+
Start	9435	End	10171
Name	OJ990827_03.9C01.C23.o2.gp	Method	AAT/GAP
Start	9435	End	10171
GI	none	Score	1449
Exons	9435..10171		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36395	Strand	+
Start	12836	End	13549
Name	OJ990827_03.9C01.C23.o3.np	Method	AAT/NAP
Start	12836	End	13549
GI	3153821	Score	71

Exons	12836..13155, 13267..13549		
GI Descrip.	(AF062655) plenty-of-prolines-101; POP101; SH3-philo-protein [Mus musculus]		
Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36396	Strand	-
Start	228	End	7684
Name	OJ990827_03.9C01.C23.o1.gp	Method	AAT/GAP
Start	228	End	7684
GI	231_1.R1084	Score	3643
Exons	228..570, 1506..1602, 1702..1764, 2611..2764, 2835..3021, 3533..3846, 4611..4752, 4977..5219, 5553..5776, 6121..6160, 6341..6400, 7583..7684		
GI Descrip.	'2506139/sp|P49661|COPD_ORYSA 0.0e+00 COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) >gi_1314049_emb_CAA91901_ (Z67962) archain/delta-COP [Oryza sativa]'		
Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36396	Strand	-
Start	228	End	7684
Name	OJ990827_03.9C01.C23.o1.gs	Method	GENSCAN
Start	481	End	5750
GI	none	Score	.72
Exons	481..570, 1506..1602, 1702..1764, 2611..2764, 2835..3021, 3533..3846, 4611..4752, 4977..5188, 5600..5750		
Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36396	Strand	-
Start	228	End	7684
Name	OJ990827_03.9C01.C23.o1.np	Method	AAT/NAP
Start	484	End	6163
GI	2506139	Score	2373
Exons	484..570, 1506..1602, 1702..1764, 2611..2764, 2835..3021, 3533..3846, 4611..4752, 4977..5219, 5553..5776, 6121..6163		
GI Descrip.	COATOMER DELTA SUBUNIT (DELTA-COAT PROTEIN) (DELTA-COP) (ARCHAIN) gi|1314049|emb|CAA91901| (Z67962) archain/delta-COP [Oryza sativa]		
Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36397	Strand	-
Start	7821	End	14170
Name	OJ990827_03.9C01.C23.o2.np	Method	AAT/NAP
Start	7821	End	13240
GI	2739366	Score	439
Exons	7821..7885, 9839..10110, 10218..10343, 10481..10598, 10876..11108, 11609..11998, 13178..13240		
GI Descrip.	(AC002505) putative SF16 protein {Helianthus annuus} [Arabidopsis thaliana]		
Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36397	Strand	-
Start	7821	End	14170
Name	OJ990827_03.9C01.C23.o3.gs	Method	GENSCAN
Start	9651	End	14170
GI	none	Score	.66
Exons	9651..10343, 10887..11108, 11609..11895, 13219..13388,		

13548..13759, 13926..14170

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36397	Strand	-
Start	7821	End	14170
Name	OJ990827_03.9C01.C23.o3.gp	Method	AAT/GAP
Start	11645	End	12198
GI	none	Score	854
Exons	11645..11998, 12092..12198		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o2.tm	Method	TBLASTX:Maize
Start	473	End	6161
GI	none	Score	89
Exons	473..571, 478..609, 478..573, 1485..1604, 1504..1608, 1702..1761, 1704..1766, 2606..2740, 2610..2777, 2613..2762, 2614..2778, 2831..2938, 2836..3024, 2847..3023, 2848..3108, 3530..3796, 3530..3796, 3550..3801, 3663..3797, 4581..4637, 4702..4758, 4974..5228, 4978..5217, 5550..5774, 5550..5777, 5602..5778, 6069..6161		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o4.ts	Method	TBLASTX:Soybean
Start	481	End	1767
GI	none	Score	67
Exons	481..573, 485..571, 1485..1604, 1488..1565, 1504..1611, 1676..1765, 1702..1767, 1704..1766		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o1.tc	Method	TBLASTX:Cress
Start	1485	End	5778
GI	none	Score	71
Exons	1485..1592, 1504..1590, 1702..1767, 1704..1766, 2608..2775, 2610..2780, 2899..3024, 3529..3672, 3530..3673, 3530..3697, 3674..3766, 3705..3767, 4974..5228, 4978..5217, 5535..5774, 5550..5771, 5551..5778, 5602..5772		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o2.ts	Method	TBLASTX:Soybean
Start	2643	End	3739
GI	none	Score	130
Exons	2643..2780, 2644..2775, 2672..2794, 2899..3042, 2899..3024, 3530..3676, 3530..3676, 3692..3739, 3695..3739		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o1.ts	Method	TBLASTX:Soybean
Start	3740	End	5774

GI	none	Score	237
Exons	3740..3796, 4974..5243, 4974..5228, 5540..5719, 5550..5771, 5550..5774, 5605..5772		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o1.tm	Method	TBLASTX:Maize
Start	9520	End	10984
GI	none	Score	39
Exons	9520..9549, 9521..9562, 9651..9842, 9661..9840, 9837..10055, 9838..10227, 9839..10183, 9841..10197, 10125..10226, 10155..10346, 10234..10344, 10234..10377, 10239..10346, 10482..10568, 10487..10609, 10489..10608, 10589..10609, 10884..10982, 10886..10984		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o3.ts	Method	TBLASTX:Soybean
Start	10143	End	10346
GI	none	Score	105
Exons	10143..10343, 10177..10341, 10203..10346		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o5.ts	Method	TBLASTX:Soybean
Start	10890	End	11671
GI	none	Score	98
Exons	10890..11066, 10936..11076, 11609..11671		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o3.tm	Method	TBLASTX:Maize
Start	10986	End	12184
GI	none	Score	132
Exons	10986..11102, 10986..11066, 11607..11702, 11609..11830, 11609..11836, 11779..11841, 11915..12001, 11928..11993, 11947..11994, 12038..12184, 12091..12174, 12093..12179		

Seq. No.	17337	Seq. ID	OJ990827_03.9C01.C23
Gene No.	36398	Strand	-
Start	14295	End	17521
Name	OJ990827_03.9C01.C23.o4.np	Method	AAT/NAP
Start	14295	End	17521
GI	5852093	Score	112
Exons	14295..14322, 16003..16141, 17481..17521		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	17338	Seq. ID	OJ990827_03.9C01.C24
Gene No.	36399	Strand	+
Start	1	End	4259
Name	OJ990827_03.9C01.C24.o1.np	Method	AAT/NAP
Start	1	End	4259
GI	226743	Score	98

Exons	1..40, 1449..1623, 3670..3735, 3823..3888, 4240..4259		
GI Descrip.	sulfated surface glycoprotein SSG185 [Volvox carteri]		
Seq. No.	17338	Seq. ID	OJ990827_03.9C01.C24
Gene No.	36400	Strand	-
Start	3586	End	4258
Name	OJ990827_03.9C01.C24.o1.gp	Method	AAT/GAP
Start	3354	End	3821
GI	LIB3433-008-Q6-K1-F8	Score	813
Exons	3354..3821		
GI Descrip.	'2062705/gb|U90552|HSU90552 1.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		
Seq. No.	17338	Seq. ID	OJ990827_03.9C01.C24
Gene No.	36400	Strand	-
Start	3586	End	4258
Name	OJ990827_03.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	3552	End	3840
GI	none	Score	124
Exons	3552..3620, 3580..3681, 3586..3681, 3703..3840, 3704..3817		
Seq. No.	17338	Seq. ID	OJ990827_03.9C01.C24
Gene No.	36400	Strand	-
Start	3586	End	4258
Name	OJ990827_03.9C01.C24.o1.gs	Method	GENSCAN
Start	3586	End	4207
GI	none	Score	.69
Exons	3586..4207		
Seq. No.	17338	Seq. ID	OJ990827_03.9C01.C24
Gene No.	36400	Strand	-
Start	3586	End	4258
Name	OJ990827_03.9C01.C24.o2.tm	Method	TBLASTX:Maize
Start	4036	End	4258
GI	none	Score	191
Exons	4036..4254, 4040..4258, 4073..4258		
Seq. No.	17339	Seq. ID	OJ990827_03.9C01.C25
Gene No.	36401	Strand	+
Start	8232	End	13302
Name	OJ990827_03.9C01.C25.o2.gs	Method	GENSCAN
Start	8232	End	13261
GI	none	Score	.57
Exons	8232..8449, 8863..9194, 10376..10551, 11731..11775, 12866..12988, 13100..13261		
Seq. No.	17339	Seq. ID	OJ990827_03.9C01.C25
Gene No.	36401	Strand	+
Start	8232	End	13302
Name	OJ990827_03.9C01.C25.o1.np	Method	AAT/NAP
Start	10408	End	13302
GI	6598613	Score	386
Exons	10408..10551, 11731..11775, 12866..12988, 13100..13302		
GI Descrip.	(AC006587) putative vacuolar proton-ATPase subunit [Arabidopsis thaliana]		
Seq. No.	17339	Seq. ID	OJ990827_03.9C01.C25

Gene No.	36402	Strand	-
Start	39	End	7910
Name	OJ990827_03.9C01.C25.o1.gs	Method	GENSCAN
Start	39	End	7910
GI	none	Score	.41
Exons	39..301, 793..821, 1060..1251, 1305..1479, 1574..1599, 2215..2406, 4635..4741, 5059..5261, 5275..5465, 6368..6433, 7238..7399, 7454..7576, 7667..7910		

Seq. No.	17339	Seq. ID	OJ990827_03.9C01.C25
Gene No.	36402	Strand	-
Start	39	End	7910
Name	OJ990827_03.9C01.C25.o1.gp	Method	AAT/GAP
Start	2590	End	3071
GI	none	Score	324
Exons	2590..2696, 2969..3071		

Seq. No.	17339	Seq. ID	OJ990827_03.9C01.C25
Gene No.	36403	Strand	
Start	12863	End	13192
Name	OJ990827_03.9C01.C25.o1.ts	Method	TBLASTX:Soybean
Start	12863	End	13192
GI	none	Score	118
Exons	12863..12943, 12863..12931, 12865..12942, 12957..12989, 13084..13191, 13085..13192		

Seq. No.	17340	Seq. ID	OJ990827_03.9C01.C26
Gene No.	36404	Strand	+
Start	1	End	1413
Name	OJ990827_03.9C01.C26.o1.np	Method	AAT/NAP
Start	1	End	1413
GI	6598613	Score	670
Exons	1..272, 498..635, 824..931, 1048..1155, 1254..1413		
GI Descrip.	(AC006587) putative vacuolar proton-ATPase subunit [Arabidopsis thaliana]		

Seq. No.	17340	Seq. ID	OJ990827_03.9C01.C26
Gene No.	36404	Strand	+
Start	1	End	1413
Name	OJ990827_03.9C01.C26.o1.tc	Method	TBLASTX:Cress
Start	137	End	1409
GI	none	Score	135
Exons	137..268, 138..272, 482..637, 495..638, 824..940, 1045..1143, 1047..1145, 1047..1145, 1048..1164, 1055..1174, 1251..1409, 1259..1408		

Seq. No.	17340	Seq. ID	OJ990827_03.9C01.C26
Gene No.	36404	Strand	+
Start	1	End	1413
Name	OJ990827_03.9C01.C26.o1.gs	Method	GENSCAN
Start	171	End	1402
GI	none	Score	.73
Exons	171..272, 1048..1155, 1254..1402		

Seq. No.	17340	Seq. ID	OJ990827_03.9C01.C26
Gene No.	36404	Strand	+
Start	1	End	1413

Name	OJ990827_03.9C01.C26.o1.ts	Method	TBLASTX:Soybean
Start	177	End	1409
GI	none	Score	121
Exons	177..272, 179..268, 494..637, 495..638, 823..945, 824..940, 1047..1145, 1047..1154, 1048..1164, 1055..1174, 1230..1409, 1253..1408		

Seq. No.	17341	Seq. ID	OJ990827_03.9C01.C30
Gene No.	36405	Strand	+
Start	1	End	586
Name	OJ990827_03.9C01.C30.o1.gp	Method	AAT/GAP
Start	1	End	586
GI	LIB3432-018-P1-K1-D2	Score	552
Exons	1..45, 139..322, 405..495, 544..586		
GI Descrip.	'4567273/gb|AAD23686.1|AC006841_14 9.0e-43 (AC006841) putative vacuolar proton ATPase subunit [Arabidopsis thaliana]'		

Seq. No.	17341	Seq. ID	OJ990827_03.9C01.C30
Gene No.	36405	Strand	+
Start	1	End	586
Name	OJ990827_03.9C01.C30.o1.np	Method	AAT/NAP
Start	1	End	488
GI	4539327	Score	266
Exons	1..322, 405..488		
GI Descrip.	(AL035679) putative proton pump [Arabidopsis thaliana]		

Seq. No.	17341	Seq. ID	OJ990827_03.9C01.C30
Gene No.	36405	Strand	+
Start	1	End	586
Name	OJ990827_03.9C01.C30.o1.tm	Method	TBLASTX:Maize
Start	2	End	473
GI	none	Score	65
Exons	2..46, 2..46, 3..47, 7..48, 111..326, 134..331, 136..321, 137..322, 400..426, 409..468, 411..467, 443..472, 444..473		

Seq. No.	17341	Seq. ID	OJ990827_03.9C01.C30
Gene No.	36405	Strand	+
Start	1	End	586
Name	OJ990827_03.9C01.C30.o1.ts	Method	TBLASTX:Soybean
Start	2	End	488
GI	none	Score	298
Exons	2..46, 134..331, 145..309, 153..353, 401..481, 401..487, 420..488		

Seq. No.	17341	Seq. ID	OJ990827_03.9C01.C30
Gene No.	36405	Strand	+
Start	1	End	586
Name	OJ990827_03.9C01.C30.o1.tc	Method	TBLASTX:Cress
Start	104	End	485
GI	none	Score	70
Exons	104..295, 111..320, 140..337, 145..312, 402..476, 420..485		

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.np	Method	AAT/NAP
Start	1	End	688

GI	294845	Score	376
Exons	1..74, 407..688		
GI Descrip.	(L13655) membrane protein [Saccharum hybrid cultivar H65-7052]		

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.ts	Method	TBLASTX:Soybean
Start	383	End	602
GI	none	Score	62
Exons	383..493, 411..494, 488..592,	510..602	

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.tw	Method	TBLASTX:Wheat
Start	407	End	602
GI	none	Score	141
Exons	407..493, 411..494, 456..602,	488..601	

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.tc	Method	TBLASTX:Cress
Start	410	End	607
GI	none	Score	49
Exons	410..487, 411..488, 500..607,	510..602	

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.tm	Method	TBLASTX:Maize
Start	410	End	605
GI	none	Score	295
Exons	410..604, 411..605		

Seq. No.	17342	Seq. ID	OJ991106_43.0105.C1
Gene No.	36406	Strand	-
Start	1	End	768
Name	OJ991106_43.0105.C1.o1.gp	Method	AAT/GAP
Start	411	End	768
GI	15773_1.R1084	Score	667
Exons	411..768		
GI Descrip.	'294845/gb|AAA02747.1| 1.0e-105 (L13655) membrane protein [Saccharum hybrid cultivar H65-7052]'		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36407	Strand	+
Start	1	End	7993
Name	OJ991106_43.0105.C2.o1.np	Method	AAT/NAP
Start	1	End	3626
GI	4490317	Score	105
Exons	1..39, 3183..3255, 3421..3626		
GI Descrip.	(AL035678) putative protein [Arabidopsis thaliana]		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36407	Strand	+

Start	1	End	7993
Name	OJ991106_43.0105.C2.o1.gs	Method	GENSCAN
Start	226	End	7993
GI	none	Score	.46
Exons	226..283, 544..688, 1610..1744, 2822..3079, 3193..3439, 3561..3660, 4737..4757, 5267..5373, 7432..7506, 7618..7655, 7906..7993		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36408	Strand	+
Start	8860	End	9466
Name	OJ991106_43.0105.C2.o2.gs	Method	GENSCAN
Start	8860	End	9466
GI	none	Score	.46
Exons	8860..8865, 9218..9466		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36409	Strand	-
Start	13747	End	19489
Name	OJ991106_43.0105.C2.o2.gp	Method	AAT/GAP
Start	13441	End	13635
GI	3106499	Score	308
Exons	13441..13635		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36409	Strand	-
Start	13747	End	19489
Name	OJ991106_43.0105.C2.o3.gs	Method	GENSCAN
Start	13747	End	19489
GI	none	Score	.91
Exons	13747..14169, 15643..16052, 16130..16304, 16881..16912, 16966..17167, 17390..17623, 17721..17822, 17911..18648, 18761..18878, 18974..19224, 19325..19489		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36409	Strand	-
Start	13747	End	19489
Name	OJ991106_43.0105.C2.o2.np	Method	AAT/NAP
Start	13756	End	19489
GI	6850882	Score	1889
Exons	13756..14169, 15643..15901, 15941..16055, 16130..16304, 17390..17623, 17721..17822, 17911..18159, 18199..18648, 18761..18878, 18974..19168, 19306..19489		
GI Descrip.	(AL137898) homeobox protein [Arabidopsis thaliana]		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36410	Strand	-
Start	19549	End	20052
Name	OJ991106_43.0105.C2.o3.gp	Method	AAT/GAP
Start	19549	End	20052
GI	uC-osf1M202046d07b1	Score	992
Exons	19549..20052		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o3.ts	Method	TBLASTX:Soybean
Start	13605	End	14170
GI	none	Score	37
Exons	13605..13661, 13771..13893, 13772..13897, 13781..13897, 13783..13899, 13969..14169, 13994..14170		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o1.tc	Method	TBLASTX:Cress
Start	13768	End	19116
GI	none	Score	99
Exons	13768..13860, 13769..13864, 13861..13893, 13981..14169, 13982..14179, 15670..15786, 15687..15725, 15796..15882, 15797..15883, 15946..16053, 15974..16051, 16134..16307, 16153..16287, 17385..17444, 17387..17443, 17501..17623, 17538..17624, 17715..17819, 17722..17820, 17911..17997, 17915..17998, 18016..18123, 18020..18112, 18421..18651, 18752..18880, 18762..18875, 18973..19053, 18977..19015, 19009..19116		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o3.tm	Method	TBLASTX:Maize
Start	13768	End	17542
GI	none	Score	89
Exons	13768..13896, 13768..13893, 13769..13897, 13985..14170, 13993..14169, 16236..16307, 17387..17446, 17495..17542		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o1.tm	Method	TBLASTX:Maize
Start	15637	End	16236
GI	none	Score	159
Exons	15637..15885, 15638..15727, 15640..15828, 15791..15883, 15934..16056, 15959..16057, 16131..16235, 16132..16236		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o1.ts	Method	TBLASTX:Soybean
Start	15667	End	17790
GI	none	Score	61
Exons	15667..15732, 15667..15783, 15796..15882, 15797..15883, 15943..16056, 15962..16069, 16131..16307, 16135..16287, 17385..17435, 17387..17455, 17501..17623, 17538..17624, 17718..17789, 17734..17790		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778

Name	OJ991106_43.0105.C2.o2.tm	Method	TBLASTX:Maize
Start	17543	End	18147
GI	none	Score	127
Exons	17543..17623, 17544..17624, 17718..17819, 17728..17820, 17911..18060, 17912..18061, 18061..18123, 18076..18147		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o5.tm	Method	TBLASTX:Maize
Start	18418	End	18835
GI	none	Score	103
Exons	18418..18651, 18761..18835		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o2.ts	Method	TBLASTX:Soybean
Start	18520	End	19116
GI	none	Score	102
Exons	18520..18651, 18752..18880, 18761..18874, 18973..19053, 19009..19116		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o4.gs	Method	GENSCAN
Start	20747	End	25778
GI	none	Score	.54
Exons	20747..20820, 21773..21939, 22498..22669, 23088..24001, 24147..24523, 24792..24814, 25271..25331, 25419..25613, 25625..25778		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o4.np	Method	AAT/NAP
Start	21541	End	24547
GI	1857256	Score	445
Exons	21541..21677, 21773..21943, 22010..22949, 24490..24547		
GI Descrip.	(U75360) MURAZC [Zea mays]		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o3.np	Method	AAT/NAP
Start	21583	End	22487
GI	2992160	Score	378
Exons	21583..21673, 21773..22487		
GI Descrip.	(AB012392) MuDR-like element [Oryza sativa]		

Seq. No.	17343	Seq. ID	OJ991106_43.0105.C2
Gene No.	36411	Strand	-
Start	20747	End	25778
Name	OJ991106_43.0105.C2.o4.tm	Method	TBLASTX:Maize
Start	22443	End	22947
GI	none	Score	103

Exons	22443..22757, 22468..22686, 22521..22757, 22785..22850, 22860..22940, 22897..22947		
Seq. No.	17344	Seq. ID	OJ991106_43.0105.C3
Gene No.	36412	Strand	+
Start	8839	End	10872
Name	OJ991106_43.0105.C3.o2.gs	Method	GENSCAN
Start	8839	End	10872
GI	none	Score	.6
Exons	8839..8902, 9011..9111, 10301..10440, 10680..10872		
Seq. No.	17344	Seq. ID	OJ991106_43.0105.C3
Gene No.	36413	Strand	-
Start	8207	End	8565
Name	OJ991106_43.0105.C3.o1.gp	Method	AAT/GAP
Start	8207	End	8565
GI	4716016	Score	646
Exons	8207..8565		
Seq. No.	17344	Seq. ID	OJ991106_43.0105.C3
Gene No.	36414	Strand	-
Start	10495	End	10906
Name	OJ991106_43.0105.C3.o2.gp	Method	AAT/GAP
Start	10495	End	10906
GI	uC-osflm202101a11b1	Score	787
Exons	10495..10906		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	17344	Seq. ID	OJ991106_43.0105.C3
Gene No.	36414	Strand	-
Start	10495	End	10906
Name	OJ991106_43.0105.C3.o1.tm	Method	TBLASTX:Maize
Start	10592	End	10747
GI	none	Score	187
Exons	10592..10747, 10592..10657, 10594..10731, 10694..10747		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36415	Strand	+
Start	11679	End	12013
Name	OJ991106_43.0105.C4.o4.gp	Method	AAT/GAP
Start	11679	End	12013
GI	1854325	Score	662
Exons	11679..12013		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36416	Strand	-
Start	1	End	616
Name	OJ991106_43.0105.C4.o1.np	Method	AAT/NAP
Start	1	End	616
GI	4539457	Score	510
Exons	1..171, 292..616		
GI Descrip.	(AL049500) heat shock transcription factor-like protein [Arabidopsis thaliana]		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36417	Strand	-
Start	6388	End	8493
Name	OJ991106_43.0105.C4.o1.gp	Method	AAT/GAP
Start	6167	End	6706
GI	81907_1.R1084	Score	738
Exons	6167..6481, 6619..6706		
GI Descrip.	'1173555 9.0e-41 (U31544) UDP-galactose-4-epimerase [Pisum sativum]'		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36417	Strand	-
Start	6388	End	8493
Name	OJ991106_43.0105.C4.o2.gs	Method	GENSCAN
Start	6388	End	8428
GI	none	Score	.94
Exons	6388..6481, 6619..6710, 6826..6908, 7019..7100, 7188..7415, 7599..7700, 7787..7858, 7923..8022, 8058..8428		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36417	Strand	-
Start	6388	End	8493
Name	OJ991106_43.0105.C4.o2.np	Method	AAT/NAP
Start	6400	End	8407
GI	1173555	Score	1038
Exons	6400..6481, 6619..6710, 6826..6908, 7019..7100, 7188..7415, 7599..7700, 7787..7922, 8058..8107, 8213..8407		
GI Descrip.	(U31544) UDP-galactose-4-epimerase [Pisum sativum]		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36417	Strand	-
Start	6388	End	8493
Name	OJ991106_43.0105.C4.o2.gp	Method	AAT/GAP
Start	7163	End	7695
GI	1631971	Score	595
Exons	7163..7415, 7599..7695		
GI Descrip.	1173555 9.0e-41 (U31544) UDP-galactose-4-epimerase [Pisum sativum]		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36417	Strand	-
Start	6388	End	8493
Name	OJ991106_43.0105.C4.o3.gp	Method	AAT/GAP
Start	8039	End	8493
GI	66487_1.R1084	Score	612
Exons	8039..8107, 8213..8493		
GI Descrip.	'2129759/pir||S62783 4.0e-21 UDPglucose 4-epimerase (EC 5.1.3.2) - Arabidopsis thaliana >gi_1143392_emb_CAA90941_ (Z54214) uridine diphosphate glucose epimerase [Arabidopsis thaliana]'		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o1.tc	Method	TBLASTX:Cress
Start	70	End	490
GI	none	Score	118

Exons	70..177, 77..202, 292..489, 293..490		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o2.ts	Method	TBLASTX:Soybean
Start	73	End	490
GI	none	Score	121
Exons	73..177, 77..202, 287..490, 292..489		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o1.tw	Method	TBLASTX:Wheat
Start	86	End	493
GI	none	Score	144
Exons	86..202, 87..170, 88..177, 288..347, 292..492, 293..493		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o2.tm	Method	TBLASTX:Maize
Start	126	End	493
GI	none	Score	61
Exons	126..170, 126..170, 127..177, 128..202, 288..347, 292..492, 293..493		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o3.tm	Method	TBLASTX:Maize
Start	6394	End	7250
GI	none	Score	78
Exons	6394..6480, 6402..6470, 6409..6471, 6416..6493, 6618..6731, 6619..6708, 6806..6910, 6826..6909, 6881..6910, 6960..7100, 7017..7100, 7018..7101, 7021..7101, 7110..7250, 7158..7250		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o4.ts	Method	TBLASTX:Soybean
Start	6409	End	8386
GI	none	Score	60
Exons	6409..6480, 6412..6471, 6416..6487, 6618..6713, 6625..6711, 7017..7100, 7596..7703, 7597..7701, 7784..7879, 7788..7880, 8066..8110, 8219..8386, 8268..8381		
Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o2.tc	Method	TBLASTX:Cress
Start	6412	End	8389
GI	none	Score	64
Exons	6412..6480, 6416..6487, 6618..6713, 6625..6711, 6808..6909, 6821..6910, 7017..7100, 7018..7098, 7158..7418, 7183..7383, 7596..7700, 7597..7701, 7790..7879, 8055..8108, 8217..8381, 8219..8389		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o3.ts	Method	TBLASTX:Soybean
Start	6826	End	7418
GI	none	Score	87
Exons	6826..6909, 6827..6910, 7038..7067, 7164..7418, 7186..7395		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o4.tm	Method	TBLASTX:Maize
Start	7251	End	8398
GI	none	Score	122
Exons	7251..7418, 7252..7416, 7254..7418, 7596..7703, 7597..7698, 7784..7930, 7788..7880, 8246..8398, 8271..8381		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o2.tw	Method	TBLASTX:Wheat
Start	8551	End	12563
GI	none	Score	74
Exons	8551..8655, 12336..12407, 12336..12407, 12337..12453, 12338..12430, 12406..12510, 12406..12555, 12407..12556, 12416..12562, 12486..12563		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o3.np	Method	AAT/NAP
Start	11883	End	12575
GI	6957733	Score	417
Exons	11883..12575		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o1.tm	Method	TBLASTX:Maize
Start	11923	End	12554
GI	none	Score	311
Exons	11923..12393, 11942..12391, 12501..12554		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o1.ts	Method	TBLASTX:Soybean
Start	12059	End	12575
GI	none	Score	278
Exons	12059..12391, 12061..12429, 12077..12430, 12403..12462, 12405..12431, 12507..12575		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575

Name	OJ991106_43.0105.C4.o3.tc	Method	TBLASTX:Cress
Start	12143	End	12554
GI	none	Score	162
Exons	12143..12367, 12145..12390, 12152..12391, 12501..12554		

Seq. No.	17345	Seq. ID	OJ991106_43.0105.C4
Gene No.	36418	Strand	-
Start	11883	End	12575
Name	OJ991106_43.0105.C4.o5.gp	Method	AAT/GAP
Start	12391	End	12575
GI	none	Score	288
Exons	12391..12575		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36419	Strand	+
Start	485	End	3517
Name	OJ991106_43.0105.C5.o1.gs	Method	GENSCAN
Start	485	End	3494
GI	none	Score	.63
Exons	485..521, 1587..1779, 1861..1945, 2085..2228, 2475..2543, 2961..3494		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36419	Strand	+
Start	485	End	3517
Name	OJ991106_43.0105.C5.o2.np	Method	AAT/NAP
Start	2812	End	3517
GI	6006381	Score	235
Exons	2812..3086, 3360..3517		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36420	Strand	+
Start	12487	End	20768
Name	OJ991106_43.0105.C5.o3.np	Method	AAT/NAP
Start	11788	End	16457
GI	6069646	Score	222
Exons	11788..11816, 15903..16457		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36420	Strand	+
Start	12487	End	20768
Name	OJ991106_43.0105.C5.o3.gs	Method	GENSCAN
Start	12487	End	20768
GI	none	Score	.52
Exons	12487..12580, 12707..12768, 12862..12940, 13375..13447, 14139..14218, 20305..20768		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36420	Strand	+
Start	12487	End	20768
Name	OJ991106_43.0105.C5.o2.gp	Method	AAT/GAP

Start	13978	End	14233
GI	none	Score	216
Exons	13978..14051, 14139..14233		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36421	Strand	-
Start	1773	End	2029
Name	OJ991106_43.0105.C5.o1.gp	Method	AAT/GAP
Start	1773	End	2029
GI	none	Score	484
Exons	1773..2029		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36421	Strand	-
Start	1773	End	2029
Name	OJ991106_43.0105.C5.o1.np	Method	AAT/NAP
Start	1776	End	1869
GI	6957733	Score	97
Exons	1776..1869		
GI Descrip.	(AC021640) unknown protein [Arabidopsis thaliana]		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36422	Strand	-
Start	5116	End	9182
Name	OJ991106_43.0105.C5.o2.gs	Method	GENSCAN
Start	5116	End	9182
GI	none	Score	.61
Exons	5116..5210, 5529..5635, 5995..6210, 6604..7069, 8558..8697, 9067..9182		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36423	Strand	-
Start	21083	End	23119
Name	OJ991106_43.0105.C5.o4.gs	Method	GENSCAN
Start	21083	End	23119
GI	none	Score	.48
Exons	21083..21162, 21553..21751, 21834..21900, 22180..22287, 22345..22730, 22847..23119		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36424	Strand	-
Start	23405	End	28466
Name	OJ991106_43.0105.C5.o2.tw	Method	TBLASTX:Wheat
Start	1772	End	1908
GI	none	Score	111
Exons	1772..1858, 1772..1816, 1774..1908		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36424	Strand	-
Start	23405	End	28466
Name	OJ991106_43.0105.C5.o2.tm	Method	TBLASTX:Maize
Start	12426	End	26192
GI	none	Score	56
Exons	12426..12464, 12519..12590, 12523..12606, 12523..12585, 12693..12767, 12709..12768, 12864..12941, 12865..12942, 13373..13471, 13374..13463, 13713..13751, 13817..13870, 13817..13861, 13825..13884, 14000..14047, 14001..14051,		

14152..14220, 14160..14219, 25092..25130, 25189..25272,
25189..25251, 25375..25434, 25531..25608, 26094..26192,
26095..26151

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36424	Strand	-
Start	23405	End	28466
Name	OJ991106_43.0105.C5.o1.tm	Method	TBLASTX:Maize
Start	15917	End	16375
GI	none	Score	253
Exons	15917..16249, 16283..16375		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36424	Strand	-
Start	23405	End	28466
Name	OJ991106_43.0105.C5.o1.tw	Method	TBLASTX:Wheat
Start	16048	End	16378
GI	none	Score	145
Exons	16048..16188, 16052..16249, 16267..16356, 16268..16378		

Seq. No.	17346	Seq. ID	OJ991106_43.0105.C5
Gene No.	36424	Strand	-
Start	23405	End	28466
Name	OJ991106_43.0105.C5.o5.gs	Method	GENSCAN
Start	23405	End	28466
GI	none	Score	.46
Exons	23405..23537, 26679..26806, 27099..27302, 28249..28466		

Seq. No.	17347	Seq. ID	OJ991106_43.0105.C6
Gene No.	36425	Strand	-
Start	1318	End	1443
Name	OJ991106_43.0105.C6.o1.gs	Method	GENSCAN
Start	1318	End	1443
GI	none	Score	.64
Exons	1318..1443		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36426	Strand	+
Start	78	End	4085
Name	OJ991106_43.0105.C7.o1.gs	Method	GENSCAN
Start	78	End	4085
GI	none	Score	.6
Exons	78..325, 1181..1648, 3308..3437, 3530..3803, 3835..4085		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36426	Strand	+
Start	78	End	4085
Name	OJ991106_43.0105.C7.o1.np	Method	AAT/NAP
Start	84	End	1646
GI	5926718	Score	649
Exons	84..325, 1181..1646		
GI Descrip.	(AB007911) PRA2 [Pisum sativum]		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36426	Strand	+
Start	78	End	4085
Name	OJ991106_43.0105.C7.o1.gp	Method	AAT/GAP

Start	202	End	1819
GI	2435_1.R1084	Score	1485
Exons	202..325, 1181..1819		
GI Descrip.	'303736/dbj|BAA02109| 2.0e-59 (D12541) GTP-binding protein [Pisum sativum] >gi_738934_prf__2001457B GTP-binding protein [Pisum sativum]'		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o1.tc	Method	TBLASTX:Cress
Start	132	End	1517
GI	none	Score	271
Exons	132..326, 146..328, 1178..1345, 1179..1349, 1359..1517		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o1.ts	Method	TBLASTX:Soybean
Start	132	End	1511
GI	none	Score	263
Exons	132..326, 143..328, 1179..1349, 1181..1345, 1359..1511		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o1.tm	Method	TBLASTX:Maize
Start	135	End	316
GI	none	Score	269
Exons	135..314, 143..316, 203..316		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o1.tw	Method	TBLASTX:Wheat
Start	135	End	1253
GI	none	Score	268
Exons	135..326, 143..325, 1179..1253, 1187..1252		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.tm	Method	TBLASTX:Maize
Start	1212	End	1505
GI	none	Score	169
Exons	1212..1361, 1214..1345, 1359..1505		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.tw	Method	TBLASTX:Wheat
Start	1257	End	1514
GI	none	Score	103
Exons	1257..1349, 1368..1514		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-

Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.tc	Method	TBLASTX:Cress
Start	4363	End	4909
GI	none	Score	72
Exons	4363..4443, 4591..4677, 4591..4677, 4775..4909, 4781..4909		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.ts	Method	TBLASTX:Soybean
Start	4363	End	4907
GI	none	Score	61
Exons	4363..4443, 4588..4653, 4775..4897, 4775..4906, 4779..4907		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.gs	Method	GENSCAN
Start	4369	End	7020
GI	none	Score	.72
Exons	4369..4444, 4589..4679, 4780..4906, 4977..5186, 5222..5405, 6702..6830, 6941..7020		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o2.np	Method	AAT/NAP
Start	4372	End	4902
GI	416641	Score	197
Exons	4372..4444, 4589..4679, 4771..4902		
GI Descrip.	INDOLE-3-ACETIC ACID INDUCED PROTEIN ARG4 gi|287568|dbj|BAA03309| (D14413) ORF [Vigna radiata]		

Seq. No.	17348	Seq. ID	OJ991106_43.0105.C7
Gene No.	36427	Strand	-
Start	4369	End	7020
Name	OJ991106_43.0105.C7.o3.tm	Method	TBLASTX:Maize
Start	4372	End	4909
GI	none	Score	83
Exons	4372..4446, 4588..4677, 4588..4689, 4793..4909, 4796..4900		

Seq. No.	17349	Seq. ID	OJ991106_43.0105.C8
Gene No.	36428	Strand	-
Start	1315	End	4269
Name	OJ991106_43.0105.C8.o1.tm	Method	TBLASTX:Maize
Start	1256	End	4269
GI	none	Score	118
Exons	1256..1402, 1285..1401, 1285..1407, 1496..1648, 1512..1619, 1513..1626, 1562..1750, 1617..1649, 1627..1674, 1665..1751, 1672..1755, 1832..1948, 1833..1949, 1834..1950, 1875..1949, 2019..2093, 2024..2056, 2033..2131, 2034..2129, 4170..4265, 4170..4253, 4170..4259, 4171..4269		

Seq. No.	17349	Seq. ID	OJ991106_43.0105.C8
Gene No.	36428	Strand	-
Start	1315	End	4269
Name	OJ991106_43.0105.C8.o1.np	Method	AAT/NAP

Start	1315	End	4265
GI	4539315	Score	433
Exons	1315..1392, 1508..1653, 1856..1948, 2032..2128, 4173..4265		
GI Descrip.	(AL035679) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	17349	Seq. ID	OJ991106_43.0105.C8
Gene No.	36428	Strand	-
Start	1315	End	4269
Name	OJ991106_43.0105.C8.o1.gs	Method	GENSCAN
Start	1508	End	4265
GI	none	Score	.53
Exons	1508..1743, 2032..2128, 4173..4265		

Seq. No.	17349	Seq. ID	OJ991106_43.0105.C8
Gene No.	36428	Strand	-
Start	1315	End	4269
Name	OJ991106_43.0105.C8.o1.ts	Method	TBLASTX:Soybean
Start	1508	End	4259
GI	none	Score	38
Exons	1508..1633, 1633..1692, 1712..1753, 1726..1755, 1833..1949, 1834..1974, 1843..1950, 1875..1952, 2024..2056, 2033..2131, 2034..2168, 4170..4259, 4179..4253		

Seq. No.	17349	Seq. ID	OJ991106_43.0105.C8
Gene No.	36428	Strand	-
Start	1315	End	4269
Name	OJ991106_43.0105.C8.o1.tc	Method	TBLASTX:Cress
Start	1733	End	4256
GI	none	Score	121
Exons	1733..1750, 1833..1910, 1875..1952, 1905..1958, 2024..2056, 2033..2131, 2034..2129, 4170..4256		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36429	Strand	+
Start	4378	End	8808
Name	OJ991106_43.0105.C9.o2.gs	Method	GENSCAN
Start	4378	End	8808
GI	none	Score	.65
Exons	4378..4452, 4588..5157, 5243..5356, 5450..5521, 5801..5890, 5950..6074, 6201..6534, 6658..6774, 6875..7630, 7761..8011, 8095..8380, 8602..8808		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36429	Strand	+
Start	4378	End	8808
Name	OJ991106_43.0105.C9.o2.np	Method	AAT/NAP
Start	4594	End	8406
GI	4539314	Score	1288
Exons	4594..4780, 4855..4944, 5057..5157, 5243..5356, 5450..5572, 5629..5713, 5950..6074, 6201..6534, 6658..6757, 6867..7118, 7381..7990, 8059..8406		
GI Descrip.	(AL035679) kinesin like protein [Arabidopsis thaliana]		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36430	Strand	-
Start	1521	End	3367
Name	OJ991106_43.0105.C9.o1.np	Method	AAT/NAP

Start	1521	End	3367
GI	5852093	Score	93
Exons	1521..1575, 3230..3367		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o1.tm	Method	TBLASTX:Maize
Start	5056	End	5710
GI	none	Score	147
Exons	5056..5157, 5058..5111, 5240..5356, 5242..5355, 5447..5530, 5644..5709, 5645..5710		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o2.ts	Method	TBLASTX:Soybean
Start	5074	End	5860
GI	none	Score	128
Exons	5074..5157, 5076..5111, 5212..5322, 5240..5323, 5308..5454, 5309..5356, 5432..5530, 5626..5709, 5645..5713, 5800..5859, 5801..5860		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o1.tc	Method	TBLASTX:Cress
Start	5281	End	6009
GI	none	Score	106
Exons	5281..5355, 5282..5356, 5432..5530, 5448..5543, 5645..5713, 5656..5709, 5800..5865, 5801..5866, 5949..6008, 5950..6009		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o4.tm	Method	TBLASTX:Maize
Start	5801	End	6074
GI	none	Score	62
Exons	5801..5860, 5950..6072, 5950..6063, 5952..6074		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o1.gp	Method	AAT/GAP
Start	5851	End	6284
GI	uC-osflcyp172a08b1	Score	864
Exons	5851..6284		
GI Descrip.	'2262101/gb|AAB63609.1| 2.0e-21 (AC002343) kinesin heavy chain isolog [Arabidopsis thaliana]'		

Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o1.ts	Method	TBLASTX:Soybean
Start	5991	End	6481
GI	none	Score	96

Exons	5991..6074, 5992..6072, 6198..6464, 6199..6465, 6203..6481		
Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36431	Strand	-
Start	5851	End	6481
Name	OJ991106_43.0105.C9.o3.tm	Method	TBLASTX:Maize
Start	6211	End	6462
GI	none	Score	193
Exons	6211..6462, 6213..6389		
Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36432	Strand	
Start	7791	End	8353
Name	OJ991106_43.0105.C9.o2.tm	Method	TBLASTX:Maize
Start	7791	End	8353
GI	none	Score	253
Exons	7791..7970, 7794..7967, 7811..8017, 8089..8250, 8093..8251, 8255..8353, 8263..8349		
Seq. No.	17350	Seq. ID	OJ991106_43.0105.C9
Gene No.	36432	Strand	
Start	7791	End	8353
Name	OJ991106_43.0105.C9.o3.ts	Method	TBLASTX:Soybean
Start	7803	End	8353
GI	none	Score	197
Exons	7803..7970, 7803..7961, 7832..7963, 8089..8352, 8093..8353		
Seq. No.	17351	Seq. ID	OJ991106_43.0105.C10
Gene No.	36433	Strand	+
Start	258	End	506
Name	OJ991106_43.0105.C10.o1.gs	Method	GENSCAN
Start	258	End	506
GI	none	Score	.6
Exons	258..506		
Seq. No.	17351	Seq. ID	OJ991106_43.0105.C10
Gene No.	36433	Strand	+
Start	258	End	506
Name	OJ991106_43.0105.C10.o1.np	Method	AAT/NAP
Start	258	End	442
GI	1350889	Score	289
Exons	258..442		
GI Descrip.	PUTATIVE 30S RIBOSOMAL PROTEIN S31, CHLOROPLAST PRECURSOR		
Seq. No.	17351	Seq. ID	OJ991106_43.0105.C10
Gene No.	36434	Strand	+
Start	423	End	839
Name	OJ991106_43.0105.C10.o1.ts	Method	TBLASTX:Soybean
Start	323	End	506
GI	none	Score	133
Exons	323..505, 365..505, 399..506, 462..506		
Seq. No.	17351	Seq. ID	OJ991106_43.0105.C10
Gene No.	36434	Strand	+
Start	423	End	839
Name	OJ991106_43.0105.C10.o1.tm	Method	TBLASTX:Maize
Start	329	End	478

GI	none	Score	169
Exons	329..478, 365..475		

Seq. No.	17351	Seq. ID	OJ991106_43.0105.C10
Gene No.	36434	Strand	+
Start	423	End	839
Name	OJ991106_43.0105.C10.o1.gp	Method	AAT/GAP
Start	423	End	839
GI	2798553	Score	726
Exons	423..839		

Seq. No.	17352	Seq. ID	OJ991106_43.0105.C12
Gene No.	36435	Strand	-
Start	151	End	608
Name	OJ991106_43.0105.C12.o1.gs	Method	GENSCAN
Start	151	End	608
GI	none	Score	.9
Exons	151..291, 450..608		

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798
Name	OJ991106_43.0105.C13.o1.gp	Method	AAT/GAP
Start	1	End	335
GI	1631971	Score	224
Exons	1..54, 239..335		
GI Descrip.	1173555 9.0e-41 (U31544) UDP-galactose-4-epimerase [Pisum sativum]		

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798
Name	OJ991106_43.0105.C13.o1.np	Method	AAT/NAP
Start	1	End	798
GI	1173555	Score	258
Exons	1..54, 239..340, 427..562, 698..798		
GI Descrip.	(U31544) UDP-galactose-4-epimerase [Pisum sativum]		

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798
Name	OJ991106_43.0105.C13.o1.tc	Method	TBLASTX:Cress
Start	236	End	565
GI	none	Score	90
Exons	236..340, 237..341, 430..564,	431..565	

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798
Name	OJ991106_43.0105.C13.o1.tm	Method	TBLASTX:Maize
Start	236	End	571
GI	none	Score	91
Exons	236..343, 237..338, 424..570,	428..571	

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798

Name	OJ991106_43.0105.C13.o1.ts	Method	TBLASTX:Soybean
Start	236	End	568
GI	none	Score	108
Exons	236..343, 237..341, 424..561, 428..568		

Seq. No.	17353	Seq. ID	OJ991106_43.0105.C13
Gene No.	36436	Strand	-
Start	1	End	798
Name	OJ991106_43.0105.C13.o1.gs	Method	GENSCAN
Start	239	End	747
GI	none	Score	.98
Exons	239..340, 427..498, 563..747		

Seq. No.	17354	Seq. ID	OJ991106_43.0105.C14
Gene No.	36437	Strand	-
Start	1	End	467
Name	OJ991106_43.0105.C14.o1.np	Method	AAT/NAP
Start	1	End	467
GI	5902445	Score	443
Exons	1..467		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17354	Seq. ID	OJ991106_43.0105.C14
Gene No.	36437	Strand	-
Start	1	End	467
Name	OJ991106_43.0105.C14.o1.tw	Method	TBLASTX:Wheat
Start	13	End	398
GI	none	Score	45
Exons	13..186, 183..398, 208..249, 295..384		

Seq. No.	17354	Seq. ID	OJ991106_43.0105.C14
Gene No.	36437	Strand	-
Start	1	End	467
Name	OJ991106_43.0105.C14.o1.gs	Method	GENSCAN
Start	23	End	440
GI	none	Score	.9
Exons	23..344, 381..440		

Seq. No.	17355	Seq. ID	OJ991106_43.0105.C16
Gene No.	36438	Strand	-
Start	1	End	330
Name	OJ991106_43.0105.C16.o1.np	Method	AAT/NAP
Start	1	End	330
GI	2498930	Score	43
Exons	1..40, 122..183, 306..330		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	17355	Seq. ID	OJ991106_43.0105.C16
Gene No.	36438	Strand	-
Start	1	End	330
Name	OJ991106_43.0105.C16.o1.gs	Method	GENSCAN
Start	124	End	183
GI	none	Score	.99
Exons	124..183		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1

Gene No.	36439	Strand	+
Start	1488	End	8964
Name	OJ991106_42.0103.C1.o1.gs	Method	GENSCAN
Start	1488	End	8964
GI	none	Score	.48
Exons	1488..1745, 2044..2172, 2314..2438, 2743..2824, 3387..3425, 3576..3672, 5148..5296, 5511..5620, 7428..7693, 8382..8586, 8832..8964		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36439	Strand	+
Start	1488	End	8964
Name	OJ991106_42.0103.C1.o2.np	Method	AAT/NAP
Start	1488	End	3957
GI	4512678	Score	726
Exons	1488..1745, 2044..2172, 2293..2438, 2483..2640, 2743..2843, 3116..3174, 3387..3425, 3576..3687, 3830..3957		
GI Descrip.	(AC006931) unknown protein [Arabidopsis thaliana]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36440	Strand	+
Start	16100	End	20040
Name	OJ991106_42.0103.C1.o3.gs	Method	GENSCAN
Start	16100	End	20040
GI	none	Score	.52
Exons	16100..16221, 17857..17937, 18585..18647, 19434..20040		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36441	Strand	+
Start	23709	End	26658
Name	OJ991106_42.0103.C1.o2.gp	Method	AAT/GAP
Start	23628	End	24150
GI	43289_1.R1084	Score	778
Exons	23628..23799, 23892..24150		
GI Descrip.	'544250/sp|P35402|ERD2_ARATH 9.0e-27 ER LUMEN PROTEIN RETAINING RECEPTOR (HDEL RECEPTOR) >gi_541860_pir__A49677 endoplasmic reticulum retention receptor Erd2 - Arabidopsis thaliana'		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36441	Strand	+
Start	23709	End	26658
Name	OJ991106_42.0103.C1.o5.gs	Method	GENSCAN
Start	23709	End	26525
GI	none	Score	.8
Exons	23709..23799, 23892..24157, 24643..24701, 25829..25902, 25987..26050, 26432..26525		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36441	Strand	+
Start	23709	End	26658
Name	OJ991106_42.0103.C1.o5.np	Method	AAT/NAP
Start	23709	End	26158
GI	6685428	Score	724
Exons	23709..23799, 23892..24165, 25050..25157, 25829..25902, 25987..26050, 26125..26158		
GI Descrip.	ER LUMEN PROTEIN RETAINING RECEPTOR (HDEL RECEPTOR) (PGP169-12) gi|4105782 (AF049922) PGP169-12 [Petunia x hybrida]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36441	Strand	+
Start	23709	End	26658
Name	OJ991106_42.0103.C1.o3.gp	Method	AAT/GAP
Start	26008	End	26658
GI	42190_1.R1084	Score	1089
Exons	26008..26050, 26125..26658		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36442	Strand	+
Start	27323	End	28051
Name	OJ991106_42.0103.C1.o6.gs	Method	GENSCAN
Start	27323	End	28051
GI	none	Score	.99
Exons	27323..28051		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36442	Strand	+
Start	27323	End	28051
Name	OJ991106_42.0103.C1.o6.np	Method	AAT/NAP
Start	27323	End	28030
GI	2244800	Score	500
Exons	27323..28030		
GI Descrip.	(Z97336) carnitine racemase like protein [Arabidopsis thaliana]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36443	Strand	-
Start	1	End	1824
Name	OJ991106_42.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	1824
GI	4680186	Score	202
Exons	1..446, 1778..1824		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36444	Strand	-
Start	4009	End	4210
Name	OJ991106_42.0103.C1.o1.gp	Method	AAT/GAP
Start	4009	End	4210
GI	46775_1.R1084	Score	342
Exons	4009..4210		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36445	Strand	-
Start	9575	End	16244
Name	OJ991106_42.0103.C1.o3.np	Method	AAT/NAP
Start	9575	End	14197
GI	3184291	Score	738
Exons	9575..9605, 12209..12457, 12763..12982, 13421..14197		
GI Descrip.	(AC004136) similar to prokaryotic DNA polymerase III gamma subunit [Arabidopsis thaliana]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36445	Strand	-
Start	9575	End	16244
Name	OJ991106_42.0103.C1.o2.gs	Method	GENSCAN
Start	10076	End	15184
GI	none	Score	.81
Exons	10076..10155, 10773..11321, 12763..12982, 13421..15184		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36445	Strand	-
Start	9575	End	16244
Name	OJ991106_42.0103.C1.o4.np	Method	AAT/NAP
Start	10717	End	16244
GI	4539401	Score	1658
Exons	10717..10915, 10991..11321, 11948..12079, 12224..12457, 12763..12982, 13379..14379, 14410..14545, 14712..14875, 15115..15143, 16171..16244		
GI Descrip.	(AL035526) putative protein [Arabidopsis thaliana]		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36446	Strand	-
Start	21106	End	21820
Name	OJ991106_42.0103.C1.o4.gs	Method	GENSCAN
Start	21106	End	21820
GI	none	Score	.71
Exons	21106..21170, 21277..21396, 21772..21820		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	2042	End	3960
GI	none	Score	136
Exons	2042..2173, 2043..2174, 2043..2174, 2044..2175, 2044..2175, 2288..2419, 2292..2420, 2292..2423, 2293..2424, 2410..2640, 2516..2638, 2520..2654, 2530..2640, 2738..2827, 2741..2821, 2742..2846, 2743..2826, 3575..3649, 3576..3650, 3898..3960		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	2044	End	2830
GI	none	Score	221
Exons	2044..2175, 2046..2174, 2047..2175, 2292..2423, 2293..2424, 2516..2638, 2517..2639, 2518..2640, 2738..2830, 2741..2812, 2743..2826		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o4.tc	Method	TBLASTX:Cress
Start	2044	End	2175
GI	none	Score	205
Exons	2044..2175, 2046..2162, 2047..2169		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1

Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	2286	End	2830
GI	none	Score	49
Exons	2286..2423, 2296..2424, 2298..2423, 2300..2470, 2509..2592, 2516..2638, 2518..2658, 2743..2826, 2743..2826, 2744..2830		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o7.tm	Method	TBLASTX:Maize
Start	11016	End	11176
GI	none	Score	113
Exons	11016..11174, 11016..11174, 11017..11175, 11018..11176		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o5.tm	Method	TBLASTX:Maize
Start	11176	End	13502
GI	none	Score	154
Exons	11176..11334, 11180..11323, 11877..12071, 11949..12065, 11950..12069, 12075..12140, 12076..12147, 12189..12311, 12238..12462, 12273..12461, 12749..12976, 12762..13016, 12763..13020, 12764..12919, 12904..12975, 13147..13182, 13415..13498, 13421..13501, 13422..13502		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o5.ts	Method	TBLASTX:Soybean
Start	12773	End	12960
GI	none	Score	162
Exons	12773..12922, 12777..12932, 12777..12959, 12895..12960		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	13754	End	14036
GI	none	Score	399
Exons	13754..14035, 13755..14036		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	13835	End	14141
GI	none	Score	319
Exons	13835..14119, 13836..14129, 13851..14141		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o8.tm	Method	TBLASTX:Maize
Start	21113	End	23044

GI	none	Score	85
Exons	21113..21172, 21115..21171, 21117..21188, 21118..21189, 21255..21350, 21275..21409, 21275..21397, 21300..21398, 21767..21919, 21767..21856, 23000..23044, 23004..23042		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	23702	End	26166
GI	none	Score	137
Exons	23702..23800, 23703..23801, 23887..24087, 23888..24169, 25039..25158, 25047..25157, 25818..25901, 25835..25921, 25985..26041, 25986..26027, 25986..26042, 25987..26052, 26105..26161, 26122..26166		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	23703	End	23973
GI	none	Score	151
Exons	23703..23801, 23705..23803, 23888..23971, 23889..23972, 23890..23973, 23890..23973		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	23703	End	26055
GI	none	Score	162
Exons	23703..23801, 23705..23803, 23888..24169, 23889..23978, 23890..24156, 23990..24166, 25039..25158, 25041..25157, 25821..25901, 25828..25905, 25828..25908, 25987..26055		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o4.ts	Method	TBLASTX:Soybean
Start	23709	End	26209
GI	none	Score	115
Exons	23709..23801, 23718..23801, 23887..24090, 23888..24169, 23990..24091, 25039..25158, 25039..25152, 25053..25157, 25830..25901, 25847..25879, 25983..26045, 25989..26027, 26123..26209		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o3.tc	Method	TBLASTX:Cress
Start	27320	End	28000
GI	none	Score	100
Exons	27320..27415, 27491..27520, 27604..27684, 27605..27694, 27692..27859, 27694..27852, 27899..28000		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-

Start	29877	End	31887
Name	OJ991106_42.0103.C1.o6.tm	Method	TBLASTX:Maize
Start	27320	End	27739
GI	none	Score	103
Exons	27320..27418, 27488..27520, 27520..27729, 27521..27739		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	27323	End	27952
GI	none	Score	122
Exons	27323..27418, 27491..27520, 27604..27849, 27605..27952		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	27749	End	28064
GI	none	Score	364
Exons	27749..28051, 27749..28063, 27966..28064		

Seq. No.	17356	Seq. ID	OJ991106_42.0103.C1
Gene No.	36447	Strand	-
Start	29877	End	31887
Name	OJ991106_42.0103.C1.o7.gs	Method	GENSCAN
Start	29877	End	31887
GI	none	Score	.44
Exons	29877..29942, 30395..30607, 30968..31031, 31850..31887		

Seq. No.	17357	Seq. ID	OJ991106_42.0103.C2
Gene No.	36448	Strand	+
Start	544	End	602
Name	OJ991106_42.0103.C2.o1.gs	Method	GENSCAN
Start	544	End	602
GI	none	Score	.8
Exons	544..602		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36449	Strand	+
Start	1	End	1259
Name	OJ991106_42.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1029
GI	4580461	Score	537
Exons	1..343, 435..532, 702..828, 941..1029		
GI Descrip.	(AC006081) unknown protein [Arabidopsis thaliana]		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36449	Strand	+
Start	1	End	1259
Name	OJ991106_42.0103.C3.o1.gs	Method	GENSCAN
Start	176	End	833
GI	none	Score	.9
Exons	176..343, 435..532, 702..833		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36449	Strand	+

Start	1	End	1259
Name	OJ991106_42.0103.C3.o1.gp	Method	AAT/GAP
Start	297	End	1259
GI	18432_1.R1084	Score	1032
Exons	297..343, 435..532, 702..828, 941..1259		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36450	Strand	+
Start	6356	End	20072
Name	OJ991106_42.0103.C3.o3.gs	Method	GENSCAN
Start	6356	End	19592
GI	none	Score	.7
Exons	6356..6430, 7092..7212, 9002..9327, 9407..9715, 9820..9890, 9895..9998, 10004..10191, 11921..12022, 12372..12444, 12526..12753, 14331..14485, 15143..15265, 15619..15710, 17677..18076, 19407..19592		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36450	Strand	+
Start	6356	End	20072
Name	OJ991106_42.0103.C3.o3.gp	Method	AAT/GAP
Start	14961	End	15387
GI	4878407	Score	672
Exons	14961..15387		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36450	Strand	+
Start	6356	End	20072
Name	OJ991106_42.0103.C3.o5.np	Method	AAT/NAP
Start	16719	End	20072
GI	4753660	Score	1194
Exons	16719..16785, 17472..18088, 19061..19309, 19407..19529, 19875..20072		
GI Descrip.	(AL049751) putative protein [Arabidopsis thaliana]		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36451	Strand	-
Start	933	End	4246
Name	OJ991106_42.0103.C3.o2.gs	Method	GENSCAN
Start	933	End	4246
GI	none	Score	.87
Exons	933..1005, 1281..1495, 2058..2129, 3097..3159, 3562..3696, 3939..4046, 4124..4246		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36451	Strand	-
Start	933	End	4246
Name	OJ991106_42.0103.C3.o2.gp	Method	AAT/GAP
Start	1461	End	1843
GI	3107501	Score	759
Exons	1461..1843		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3

Gene No.	36452	Strand	-
Start	10165	End	13223
Name	OJ991106_42.0103.C3.o2.np	Method	AAT/NAP
Start	10165	End	13223
GI	6069653	Score	367
Exons	10165..10274, 11797..12780, 12808..13051, 13112..13223		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	174	End	993
GI	none	Score	253
Exons	174..296, 175..360, 178..336, 418..531, 419..532, 699..827, 716..826, 939..992, 940..993		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	175	End	800
GI	none	Score	274
Exons	175..342, 175..342, 177..344, 227..361, 420..521, 432..530, 433..531, 433..531, 699..800, 699..800		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	187	End	797
GI	none	Score	197
Exons	187..360, 418..528, 419..532, 699..797, 699..794		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	698	End	1040
GI	none	Score	186
Exons	698..826, 699..827, 699..827, 916..1038, 939..1040		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	3555	End	4187
GI	none	Score	63
Exons	3555..3626, 3557..3640, 3560..3697, 3565..3696, 4116..4187, 4124..4186		

Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o3.np	Method	AAT/NAP
Start	13204	End	14940
GI	6907088	Score	262

Exons	13204..13590, 14341..14583, 14807..14940		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36453	Strand	-
Start	13204	End	15688
Name	OJ991106_42.0103.C3.o4.np	Method	AAT/NAP
Start	14807	End	15688
GI	4680186	Score	167
Exons	14807..14956, 15534..15688		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36454	Strand	
Start	17471	End	18031
Name	OJ991106_42.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	17471	End	17680
GI	none	Score	247
Exons	17471..17680, 17476..17598		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36454	Strand	
Start	17471	End	18031
Name	OJ991106_42.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	17477	End	17788
GI	none	Score	287
Exons	17477..17788, 17482..17610		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36454	Strand	
Start	17471	End	18031
Name	OJ991106_42.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	17489	End	18031
GI	none	Score	289
Exons	17489..17815, 17510..17770, 17842..18030, 17852..18031		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36455	Strand	
Start	19073	End	20119
Name	OJ991106_42.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	19073	End	20024
GI	none	Score	153
Exons	19073..19312, 19141..19311, 19419..19529, 19896..20024, 19898..19987		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36455	Strand	
Start	19073	End	20119
Name	OJ991106_42.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	19193	End	19534
GI	none	Score	121
Exons	19193..19315, 19195..19311, 19401..19529, 19406..19534		
Seq. No.	17358	Seq. ID	OJ991106_42.0103.C3
Gene No.	36455	Strand	
Start	19073	End	20119
Name	OJ991106_42.0103.C3.o3.tm	Method	TBLASTX:Maize

Start	19914	End	20119
GI	none	Score	220
Exons	19914..20078, 19915..20118, 19916..20119		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o1.np	Method	AAT/NAP
Start	390	End	14690
GI	6692107	Score	343
Exons	390..563, 968..1177, 5853..6026, 14587..14690		
GI Descrip.	(AC007764) F22C12.23 [Arabidopsis thaliana]		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o1.gs	Method	GENSCAN
Start	732	End	2085
GI	none	Score	.81
Exons	732..1177, 1905..2085		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o2.gs	Method	GENSCAN
Start	4889	End	5400
GI	none	Score	.74
Exons	4889..5068, 5166..5334, 5396..5400		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o3.gs	Method	GENSCAN
Start	5824	End	8717
GI	none	Score	.45
Exons	5824..5963, 6795..6936, 7215..7363, 7729..7816, 8119..8346, 8538..8717		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o2.np	Method	AAT/NAP
Start	8128	End	8669
GI	6225976	Score	269
Exons	8128..8346, 8538..8669		
GI Descrip.	50S RIBOSOMAL PROTEIN L20 gi|3861153|emb|CAA15053| (AJ235272) CYANELLE 50S RIBOSOMAL PROTEIN L20 (rplT) [Rickettsia prowazekii]		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o5.gs	Method	GENSCAN
Start	12737	End	22828
GI	none	Score	.59
Exons	12737..13406, 13489..13648, 13734..13782, 14436..14549, 16179..16601, 17693..18076, 18346..18461, 18604..18710,		

18817..19010, 19192..19389, 19490..19618, 19712..19790,
21441..22828

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o3.np	Method	AAT/NAP
Start	13355	End	20285
GI	2654870	Score	3241
Exons	13355..13406, 13489..13648, 13734..13782, 14436..14549, 16179..16601, 17693..18076, 18165..18260, 18346..18461, 18604..18771, 18851..19010, 19192..19389, 19490..19618, 19712..19790, 20179..20285		
GI Descrip.	(AF015302) RbohAOsp [Oryza sativa]		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o1.gp	Method	AAT/GAP
Start	19733	End	20667
GI	10760_1.R1084	Score	1026
Exons	19733..19790, 20179..20667		
GI Descrip.	'2654870 7.0e-22 (AF015302) RbohAOsp [Oryza sativa]'		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36456	Strand	+
Start	390	End	22852
Name	OJ991106_42.0103.C4.o4.np	Method	AAT/NAP
Start	21422	End	22852
GI	2191136	Score	563
Exons	21422..21832, 21890..22852		
GI Descrip.	(AF007269) Similar to UTP-Glucose Glucosyltransferase; coded for by A. thaliana cDNA T46230; coded for by A. thaliana cDNA H76538; coded for by A. thaliana cDNA H76290 [Arabidopsis thaliana]		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36457	Strand	+
Start	24072	End	24194
Name	OJ991106_42.0103.C4.o6.gs	Method	GENSCAN
Start	24072	End	24194
GI	none	Score	.56
Exons	24072..24194		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36458	Strand	+
Start	25543	End	25866
Name	OJ991106_42.0103.C4.o7.gs	Method	GENSCAN
Start	25543	End	25866
GI	none	Score	.87
Exons	25543..25866		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36459	Strand	-
Start	9867	End	12306
Name	OJ991106_42.0103.C4.o4.gs	Method	GENSCAN
Start	9867	End	12306

GI	none	Score	.46
Exons	9867..9975, 10989..11079, 11545..11620, 11766..11874, 12161..12306		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o6.ts	Method	TBLASTX:Soybean
Start	1073	End	6002
GI	none	Score	163
Exons	1073..1177, 1074..1178, 5838..5963, 5843..5962, 5845..5973, 5850..6002		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o3.tc	Method	TBLASTX:Cress
Start	8124	End	8695
GI	none	Score	93
Exons	8124..8348, 8157..8324, 8158..8346, 8537..8677, 8537..8695, 8538..8687		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o5.tm	Method	TBLASTX:Maize
Start	8137	End	8732
GI	none	Score	341
Exons	8137..8256, 8149..8349, 8151..8348, 8302..8358, 8536..8685, 8537..8686, 8538..8687, 8691..8732		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o4.ts	Method	TBLASTX:Soybean
Start	8140	End	8687
GI	none	Score	327
Exons	8140..8349, 8148..8348, 8536..8637, 8537..8686, 8538..8687		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	12875	End	20290
GI	none	Score	78
Exons	12875..12931, 13037..13150, 13042..13140, 13256..13408, 13487..13537, 13488..13649, 13491..13649, 13604..13654, 13704..13790, 13735..13794, 13735..13791, 13884..13925, 14433..14552, 14443..14568, 16178..16540, 16178..16624, 16209..16634, 17690..17824, 17697..17756, 17807..18076, 17824..18036, 18158..18265, 18165..18266, 18340..18465, 18345..18461, 18604..18768, 18605..18769, 18848..18970, 18849..19004, 18894..19007, 19266..19379, 19267..19389, 19271..19390, 19278..19382, 19297..19389, 19298..19390, 19487..19621, 19495..19623, 19501..19632, 19709..19792, 19711..19803, 19711..19797, 20174..20290, 20178..20288		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o5.ts	Method	TBLASTX:Soybean
Start	13027	End	13390
GI	none	Score	126
Exons	13027..13146, 13037..13150, 13187..13390, 13235..13330		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o7.tm	Method	TBLASTX:Maize
Start	13096	End	13574
GI	none	Score	74
Exons	13096..13146, 13097..13150, 13195..13302, 13196..13303, 13232..13306, 13291..13407, 13310..13408, 13487..13546, 13488..13574		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o3.ts	Method	TBLASTX:Soybean
Start	13487	End	20288
GI	none	Score	188
Exons	13487..13546, 13488..13649, 13604..13654, 13704..13790, 13705..13788, 14433..14552, 14433..14588, 16250..16300, 16251..16550, 16323..16535, 16334..16591, 16544..16609, 16551..16604, 18165..18266, 18168..18266, 18339..18461, 18340..18465, 18604..18753, 18605..18754, 18635..18754, 18844..18954, 18848..18964, 18852..19010, 19279..19386, 19287..19382, 19492..19623, 19493..19621, 19709..19792, 19711..19791, 20175..20288		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o6.tm	Method	TBLASTX:Maize
Start	16242	End	16550
GI	none	Score	340
Exons	16242..16550, 16331..16540		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	16548	End	18034
GI	none	Score	69
Exons	16548..16604, 16571..16609, 17690..17791, 17777..18034, 17810..17998, 17824..18030		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	16563	End	18215
GI	none	Score	66
Exons	16563..16601, 16564..16599, 16565..16624, 17690..18076,		

17690..18109, 17910..18104, 18164..18214, 18165..18215

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	17690	End	18076
GI	none	Score	131
Exons	17690..17791, 17690..17791, 17810..18076, 17810..18016, 17812..18075		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o4.tw	Method	TBLASTX:Wheat
Start	18165	End	18688
GI	none	Score	90
Exons	18165..18266, 18168..18263, 18340..18465, 18345..18461, 18604..18687, 18605..18688		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	18216	End	18997
GI	none	Score	81
Exons	18216..18266, 18216..18263, 18218..18265, 18373..18474, 18374..18475, 18376..18465, 18604..18771, 18605..18769, 18849..18995, 18851..18997, 18851..18970, 18858..18983		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	19272	End	20295
GI	none	Score	145
Exons	19272..19388, 19272..19388, 19273..19389, 19273..19389, 19487..19621, 19489..19620, 19514..19621, 19709..19792, 19711..19797, 19720..19803, 20174..20284, 20175..20291, 20179..20295, 20179..20286		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	21422	End	22648
GI	none	Score	124
Exons	21422..21634, 21440..21634, 21615..21650, 21661..21702, 21719..22087, 21942..22010, 22093..22131, 22094..22135, 22165..22191, 22166..22192, 22189..22314, 22190..22315, 22199..22315, 22373..22642, 22402..22641, 22463..22648		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	21434	End	22630

GI	none	Score	69
Exons	21434..21547, 21595..21624, 21707..21829, 21899..22081, 22042..22305, 22103..22309, 22133..22309, 22382..22621, 22402..22620, 22466..22630		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	21524	End	22510
GI	none	Score	87
Exons	21524..21721, 21719..21853, 21908..22087, 22147..22344, 22148..22315, 22373..22510, 22402..22509		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	21710	End	22024
GI	none	Score	216
Exons	21710..22024		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	22250	End	22687
GI	none	Score	72
Exons	22250..22309, 22252..22305, 22397..22621, 22423..22623, 22610..22687		

Seq. No.	17359	Seq. ID	OJ991106_42.0103.C4
Gene No.	36460	Strand	-
Start	27337	End	27384
Name	OJ991106_42.0103.C4.o8.gs	Method	GENSCAN
Start	27337	End	27384
GI	none	Score	.78
Exons	27337..27384		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36461	Strand	+
Start	3374	End	4810
Name	OJ991106_42.0103.C5.o2.gs	Method	GENSCAN
Start	3374	End	4810
GI	none	Score	.82
Exons	3374..4810		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36462	Strand	+
Start	6724	End	7434
Name	OJ991106_42.0103.C5.o3.gs	Method	GENSCAN
Start	6724	End	7434
GI	none	Score	.86
Exons	6724..7195, 7298..7434		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36463	Strand	+

Start	11547	End	13656
Name	OJ991106_42.0103.C5.o2.np	Method	AAT/NAP
Start	11547	End	13656
GI	2501492	Score	372
Exons	11547..11601, 12836..12938, 12975..13656		
GI Descrip.	FLAVONOL 3-O-GLUCOSYLTRANSFERASE 2 (UDP-GLUCOSE FLAVONOID 3-O-GLUCOSYLTRANSFERASE 2) gi|542018|pir||S41954 UTP-glucose glucosyltransferase - cassava (fragment) gi|453255|emb|CAA54611| (X77461) UTP-glucose glucosyltransferase [Manihot esculenta]		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36464	Strand	+
Start	17425	End	18523
Name	OJ991106_42.0103.C5.o1.gp	Method	AAT/GAP
Start	17425	End	18523
GI	4107143	Score	2114
Exons	17425..18523		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 7.0e-30 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36465	Strand	+
Start	18549	End	18712
Name	OJ991106_42.0103.C5.o3.np	Method	AAT/NAP
Start	18419	End	18712
GI	5420389	Score	78
Exons	18419..18712		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36465	Strand	+
Start	18549	End	18712
Name	OJ991106_42.0103.C5.o5.gs	Method	GENSCAN
Start	18549	End	18701
GI	none	Score	.96
Exons	18549..18701		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	1016	End	10439
GI	none	Score	216
Exons	1016..1150, 9957..10439, 9982..10362		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o5.tm	Method	TBLASTX:Maize
Start	3487	End	13655
GI	none	Score	76
Exons	3487..3609, 3536..3619, 3713..3925, 3715..3924, 4007..4066, 4088..4162, 4168..4197, 4169..4198, 4189..4245, 4190..4237, 4235..4345, 4238..4312, 4378..4614, 4379..4615, 4583..4771, 4622..4711, 4826..4891, 6886..6957, 7024..7275, 7066..7299, 12838..12966, 13003..13032, 13024..13071, 13029..13079, 13075..13161, 13086..13160, 13170..13535, 13174..13473,		

13441..13653, 13479..13655

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	4073	End	13533
GI	none	Score	126
Exons	4073..4237, 4087..4134, 4168..4263, 4241..4312, 4255..4308, 4378..4599, 4379..4675, 12841..12903, 12934..13071, 13074..13160, 13075..13161, 13192..13533, 13236..13421		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	4100	End	13643
GI	none	Score	38
Exons	4100..4132, 4154..4237, 4171..4239, 4237..4311, 4238..4312, 4378..4776, 4379..4780, 6721..6837, 6886..6942, 13006..13086, 13038..13070, 13074..13184, 13075..13158, 13210..13638, 13210..13407, 13236..13643		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o1.np	Method	AAT/NAP
Start	4134	End	15091
GI	6466937	Score	2316
Exons	4134..4264, 7694..11876, 15062..15091		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o6.tw	Method	TBLASTX:Wheat
Start	4262	End	13452
GI	none	Score	56
Exons	4262..4312, 4387..4554, 4388..4594, 13096..13164, 13138..13158, 13231..13452, 13231..13395, 13245..13412		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	7664	End	8287
GI	none	Score	79
Exons	7664..7900, 7665..7817, 7670..7849, 7886..8287, 7920..8186, 7928..8239		

Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	7817	End	8224
GI	none	Score	139

Exons	7817..8224, 7851..8171		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o5.tw	Method	TBLASTX:Wheat
Start	8288	End	8675
GI	none	Score	122
Exons	8288..8527, 8526..8675		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	8294	End	8930
GI	none	Score	175
Exons	8294..8527, 8295..8525, 8324..8530, 8526..8699, 8526..8930, 8533..8844		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	8526	End	8906
GI	none	Score	158
Exons	8526..8906, 8533..8895		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o3.tw	Method	TBLASTX:Wheat
Start	8763	End	9158
GI	none	Score	132
Exons	8763..9158, 8776..9000		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o6.tm	Method	TBLASTX:Maize
Start	8931	End	9356
GI	none	Score	97
Exons	8931..9164, 9153..9356, 9184..9354		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o5.ts	Method	TBLASTX:Soybean
Start	9342	End	9599
GI	none	Score	91
Exons	9342..9599, 9448..9597		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	9357	End	9879
GI	none	Score	223

Exons	9357..9878, 9562..9879		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o4.tw	Method	TBLASTX:Wheat
Start	9507	End	9908
GI	none	Score	127
Exons	9507..9908, 9613..9906		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	9621	End	9992
GI	none	Score	111
Exons	9621..9992, 9643..9819		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	9903	End	10387
GI	none	Score	39
Exons	9903..10379, 9932..9982, 9976..10374, 10142..10387		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o4.ts	Method	TBLASTX:Soybean
Start	10200	End	10400
GI	none	Score	100
Exons	10200..10400, 10201..10377, 10206..10400		
Seq. No.	17360	Seq. ID	OJ991106_42.0103.C5
Gene No.	36466	Strand	-
Start	4134	End	15091
Name	OJ991106_42.0103.C5.o7.tm	Method	TBLASTX:Maize
Start	10653	End	11270
GI	none	Score	72
Exons	10653..10745, 10827..11075, 10834..11046, 11145..11270, 11158..11238		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36467	Strand	+
Start	74	End	580
Name	OJ991106_42.0103.C6.o1.gs	Method	GENSCAN
Start	74	End	580
GI	none	Score	.98
Exons	74..580		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36468	Strand	+
Start	4137	End	6029
Name	OJ991106_42.0103.C6.o2.np	Method	AAT/NAP
Start	4137	End	6012
GI	4115536	Score	415

Exons	4137..4158, 5383..6012		
GI Descrip.	(AB012115) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36468	Strand	+
Start	4137	End	6029
Name	OJ991106_42.0103.C6.o3.gs	Method	GENSCAN
Start	5283	End	6029
GI	none	Score	.9
Exons	5283..5287, 5351..6029		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36469	Strand	+
Start	9415	End	10833
Name	OJ991106_42.0103.C6.o5.gs	Method	GENSCAN
Start	9415	End	10833
GI	none	Score	1
Exons	9415..10833		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36469	Strand	+
Start	9415	End	10833
Name	OJ991106_42.0103.C6.o3.np	Method	AAT/NAP
Start	9691	End	10812
GI	4115538	Score	709
Exons	9691..10812		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36470	Strand	+
Start	12216	End	13634
Name	OJ991106_42.0103.C6.o6.gs	Method	GENSCAN
Start	12216	End	13634
GI	none	Score	.93
Exons	12216..13634		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36470	Strand	+
Start	12216	End	13634
Name	OJ991106_42.0103.C6.o4.np	Method	AAT/NAP
Start	12492	End	13613
GI	4115538	Score	715
Exons	12492..13613		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36471	Strand	-
Start	794	End	5142
Name	OJ991106_42.0103.C6.o1.np	Method	AAT/NAP
Start	794	End	5142
GI	2586082	Score	4687
Exons	794..5142		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36471	Strand	-
Start	794	End	5142
Name	OJ991106_42.0103.C6.o2.gs	Method	GENSCAN
Start	1318	End	5031
GI	none	Score	.42
Exons	1318..1386, 1529..2961, 3646..4828, 4876..5031		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36472	Strand	-
Start	7639	End	8976
Name	OJ991106_42.0103.C6.o4.gs	Method	GENSCAN
Start	7639	End	8976
GI	none	Score	.7
Exons	7639..7665, 8404..8496, 8526..8652, 8864..8976		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	94	End	15350
GI	none	Score	101
Exons	94..213, 95..253, 95..244, 263..325, 5387..5434, 5435..5533, 5436..5522, 5553..5819, 5597..5779, 5841..6002, 9730..9849, 9901..10074, 9909..10073, 10161..10325, 10180..10323, 10369..10764, 10380..10640, 12227..12289, 12531..12650, 12534..12647, 12710..12874, 12711..12875, 12977..13126, 12981..13124, 13170..13565, 13181..13378, 14463..14585, 14643..14897, 14686..14889, 14934..15083, 14935..15087, 15123..15152, 15198..15350		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o4.tw	Method	TBLASTX:Wheat
Start	95	End	15521
GI	none	Score	136
Exons	95..301, 9712..9858, 9894..10028, 9895..10026, 12513..12659, 12513..12662, 12641..12694, 12695..12760, 12696..12827, 14702..14776, 15232..15465, 15232..15363, 15234..15464, 15471..15521		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	98	End	15843
GI	none	Score	122
Exons	98..304, 374..445, 482..514, 551..571, 5384..5431, 5385..5432, 5436..5522, 5453..5521, 5532..5834, 5536..5616, 5568..5756, 5597..5833, 5805..5981, 9406..9618, 9423..9617, 9645..9707, 9646..9708, 9733..9921, 9789..9848, 10006..10095, 10114..10197, 10156..10323, 10203..10319, 10351..10548, 10360..10650, 10380..10622, 10630..10767, 12216..12419, 12224..12427, 12447..12509, 12534..12896, 12534..12650, 12694..12762, 12894..12971, 12909..12944, 12960..13007, 12977..13006, 13004..13120, 13005..13124, 13152..13349, 13161..13451,		

13181..13423, 13431..13568, 14625..15059, 14683..15060,
15058..15087, 15096..15167, 15097..15168, 15165..15245,
15324..15464, 15328..15462, 15637..15678, 15736..15843,
15750..15842

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o6.tw	Method	TBLASTX:Wheat
Start	401	End	15230
GI	none	Score	39
Exons	401..445, 461..514, 551..592, 5436..5576, 5453..5521, 5592..5636, 5597..5638, 5642..5698, 5643..5696, 10030..10104, 10176..10325, 10180..10323, 10378..10422, 10383..10424, 10426..10482, 12831..12908, 12905..12934, 12906..12938, 12977..13126, 12981..13124, 13179..13223, 13181..13225, 13227..13283, 14785..14823, 14823..14885, 14844..15125, 14875..15087, 14913..15119, 15123..15155, 15153..15230, 15195..15230		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o4.tc	Method	TBLASTX:Cress
Start	818	End	1267
GI	none	Score	46
Exons	818..1012, 825..1013, 1052..1168, 1053..1139, 1178..1267		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	845	End	1441
GI	none	Score	209
Exons	845..1441, 846..1247, 1314..1439		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	851	End	1274
GI	none	Score	128
Exons	851..1138, 900..1139, 1140..1274, 1145..1273		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	1205	End	1642
GI	none	Score	43
Exons	1205..1642, 1206..1247, 1320..1640		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	1277	End	1528

GI	none	Score	70
Exons	1277..1528, 1283..1450, 1314..1523		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o5.tc	Method	TBLASTX:Cress
Start	1508	End	1759
GI	none	Score	79
Exons	1508..1741, 1514..1759		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	1583	End	2023
GI	none	Score	52
Exons	1583..2023, 1623..1670, 1704..1817, 1848..2015		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	1643	End	2156
GI	none	Score	106
Exons	1643..1819, 1811..2155, 1847..2140, 1863..2156		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	1820	End	2350
GI	5509260	Score	135
Exons	1820..2323, 1833..1997, 2037..2201, 2069..2350		
GI Descrip.	-		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o3.tc	Method	TBLASTX:Cress
Start	1937	End	2208
GI	none	Score	116
Exons	1937..2206, 1946..2203, 1956..2207, 2116..2208		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o8.tm	Method	TBLASTX:Maize
Start	2027	End	2297
GI	none	Score	92
Exons	2027..2296, 2067..2297		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o2.tc	Method	TBLASTX:Cress
Start	2729	End	3367

GI	none	Score	112
Exons	2729..2875, 2903..3367, 3005..3355		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o5.tw	Method	TBLASTX:Wheat
Start	2910	End	3250
GI	none	Score	71
Exons	2910..3023, 2912..3250, 3041..3112		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o6.tm	Method	TBLASTX:Maize
Start	2918	End	3254
GI	none	Score	82
Exons	2918..3247, 3072..3254		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o4.ts	Method	TBLASTX:Soybean
Start	2921	End	3340
GI	none	Score	266
Exons	2921..3340		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o5.ts	Method	TBLASTX:Soybean
Start	3362	End	3775
GI	none	Score	89
Exons	3362..3541, 3557..3664, 3674..3775		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o7.tm	Method	TBLASTX:Maize
Start	3866	End	4156
GI	none	Score	84
Exons	3866..4156, 3884..4156		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	3866	End	4247
GI	none	Score	141
Exons	3866..4216, 3875..4198, 4152..4247		

Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o7.tw	Method	TBLASTX:Wheat
Start	4565	End	4798
GI	none	Score	85

Exons	4565..4798, 4578..4757		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	4619	End	5064
GI	none	Score	115
Exons	4619..4873, 4626..4847, 4873..4920, 4939..5064, 4940..5053		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	5387	End	15464
GI	none	Score	68
Exons	5387..5431, 5388..5432, 5435..5521, 5436..5522, 5562..5705, 5597..5704, 9409..9540, 9724..9870, 9901..10098, 10177..10323, 10182..10325, 10360..10491, 10380..10490, 12213..12290, 12327..12422, 12525..12650, 12702..12890, 12933..13124, 12983..13126, 13161..13292, 13181..13291, 14757..14906, 14758..14895, 14886..15113, 14887..15081, 15171..15359, 15387..15464		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o8.tw	Method	TBLASTX:Wheat
Start	9426	End	15852
GI	none	Score	83
Exons	9426..9539, 9427..9540, 12228..12290, 12240..12323, 12389..12415, 15646..15846, 15646..15852, 15725..15850		
Seq. No.	17361	Seq. ID	OJ991106_42.0103.C6
Gene No.	36473	Strand	-
Start	14447	End	15852
Name	OJ991106_42.0103.C6.o5.np	Method	AAT/NAP
Start	14447	End	15569
GI	4115538	Score	694
Exons	14447..15569		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36474	Strand	+
Start	4397	End	5158
Name	OJ991106_42.0103.C7.o2.gs	Method	GENSCAN
Start	4397	End	5158
GI	none	Score	.91
Exons	4397..5158		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36474	Strand	+
Start	4397	End	5158
Name	OJ991106_42.0103.C7.o2.np	Method	AAT/NAP
Start	4442	End	5125
GI	3702334	Score	275

Exons	4442..5125		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36475	Strand	+
Start	12072	End	12949
Name	OJ991106_42.0103.C7.o4.gs	Method	GENSCAN
Start	12072	End	12949
GI	none	Score	.93
Exons	12072..12351, 12584..12949		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36475	Strand	+
Start	12072	End	12949
Name	OJ991106_42.0103.C7.o2.gp	Method	AAT/GAP
Start	12642	End	12949
GI	39796_1.R1084	Score	584
Exons	12642..12949		
GI Descrip.	'4454032/emb|CAA23029.1| 1.0e-35 (AL035394) putative protein [Arabidopsis thaliana]'		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36476	Strand	-
Start	499	End	2684
Name	OJ991106_42.0103.C7.o1.gs	Method	GENSCAN
Start	499	End	2684
GI	none	Score	.62
Exons	499..2054, 2228..2260, 2499..2523, 2622..2684		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36476	Strand	-
Start	499	End	2684
Name	OJ991106_42.0103.C7.o1.np	Method	AAT/NAP
Start	517	End	1644
GI	4115538	Score	723
Exons	517..1644		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	703	End	1929
GI	none	Score	149
Exons	703..852, 703..1011, 746..1033, 973..1134, 1001..1135, 1132..1200, 1133..1162, 1171..1242, 1172..1243, 1205..1273, 1206..1274, 1359..1454, 1366..1644, 1403..1597, 1720..1782, 1721..1777, 1798..1917, 1852..1929		
Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	727	End	1629
GI	none	Score	123
Exons	727..1221, 752..940, 1010..1219, 1255..1437, 1447..1629		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	835	End	1917
GI	none	Score	90
Exons	835..984, 836..928, 1003..1188, 1007..1156, 1246..1434, 1462..1614, 1720..1782, 1807..1917		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	842	End	12370
GI	none	Score	60
Exons	842..901, 844..900, 904..963, 1006..1200, 1007..1162, 1009..1164, 1198..1230, 1228..1305, 2679..2831, 12290..12370		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	1309	End	1623
GI	none	Score	307
Exons	1309..1623, 1313..1552		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o3.tw	Method	TBLASTX:Wheat
Start	1720	End	1929
GI	none	Score	182
Exons	1720..1929, 1721..1921, 1855..1929		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o1.gp	Method	AAT/GAP
Start	7366	End	7439
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	7366..7439		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	7762	End	7983
GI	none	Score	153
Exons	7762..7977, 7770..7979, 7783..7983, 7800..7982		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370

Name	OJ991106_42.0103.C7.o3.gs	Method	GENSCAN
Start	7782	End	9978
GI	none	Score	.93
Exons	7782..8471, 8792..8852, 9127..9341, 9681..9938, 9976..9978		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o3.np	Method	AAT/NAP
Start	7782	End	8476
GI	3702333	Score	439
Exons	7782..8109, 8137..8249, 8290..8476		
GI Descrip.	(AC005397) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	7798	End	7943
GI	none	Score	128
Exons	7798..7929, 7800..7943		

Seq. No.	17362	Seq. ID	OJ991106_42.0103.C7
Gene No.	36477	Strand	-
Start	7782	End	12370
Name	OJ991106_42.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	7801	End	8090
GI	none	Score	70
Exons	7801..7866, 7806..7868, 7848..8027, 7849..8010, 8049..8090		

Seq. No.	17363	Seq. ID	OJ991106_42.0103.C8
Gene No.	36478	Strand	-
Start	1	End	584
Name	OJ991106_42.0103.C8.o1.np	Method	AAT/NAP
Start	1	End	584
GI	2498930	Score	619
Exons	1..357, 525..584		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	17363	Seq. ID	OJ991106_42.0103.C8
Gene No.	36478	Strand	-
Start	1	End	584
Name	OJ991106_42.0103.C8.o1.gs	Method	GENSCAN
Start	55	End	584
GI	none	Score	.89
Exons	55..357, 525..584		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9
Gene No.	36479	Strand	+
Start	48	End	447
Name	OJ991106_42.0103.C9.o1.gs	Method	GENSCAN
Start	48	End	447
GI	none	Score	.83
Exons	48..447		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9

Gene No.	36480	Strand	-
Start	1	End	538
Name	OJ991106_42.0103.C9.o1.np	Method	AAT/NAP
Start	1	End	538
GI	4115538	Score	435
Exons	1..538		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9
Gene No.	36480	Strand	-
Start	1	End	538
Name	OJ991106_42.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	11	End	534
GI	none	Score	150
Exons	11..148, 128..418, 156..398, 230..427, 346..444, 433..534		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9
Gene No.	36480	Strand	-
Start	1	End	538
Name	OJ991106_42.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	14	End	534
GI	none	Score	122
Exons	14..409, 138..398, 457..534		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9
Gene No.	36480	Strand	-
Start	1	End	538
Name	OJ991106_42.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	131	End	534
GI	none	Score	132
Exons	131..403, 138..395, 457..534		

Seq. No.	17364	Seq. ID	OJ991106_42.0103.C9
Gene No.	36480	Strand	-
Start	1	End	538
Name	OJ991106_42.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	167	End	513
GI	none	Score	97
Exons	167..400, 219..374, 281..412, 433..513, 464..508		

Seq. No.	17365	Seq. ID	OJ991106_42.0103.C10
Gene No.	36481	Strand	+
Start	1	End	283
Name	OJ991106_42.0103.C10.o1.gp	Method	AAT/GAP
Start	1	End	283
GI	10760_1.R1084	Score	566
Exons	1..283		
GI Descrip.	'2654870 7.0e-22 (AF015302) RbohAOsp [Oryza sativa]'		

Seq. No.	17366	Seq. ID	OJ991106_30.0128.C1
Gene No.	36482	Strand	+
Start	143	End	611
Name	OJ991106_30.0128.C1.o1.gp	Method	AAT/GAP
Start	79	End	611
GI	25600_5.R1084	Score	637
Exons	79..308, 411..611		

GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	17366	Seq. ID	OJ991106_30.0128.C1
Gene No.	36482	Strand	+
Start	143	End	611
Name	OJ991106_30.0128.C1.o1.gs	Method	GENSCAN
Start	143	End	499
GI	none	Score	.98
Exons	143..308, 411..499		
Seq. No.	17366	Seq. ID	OJ991106_30.0128.C1
Gene No.	36482	Strand	+
Start	143	End	611
Name	OJ991106_30.0128.C1.o1.np	Method	AAT/NAP
Start	143	End	611
GI	6689616	Score	295
Exons	143..308, 411..611		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		
Seq. No.	17366	Seq. ID	OJ991106_30.0128.C1
Gene No.	36482	Strand	+
Start	143	End	611
Name	OJ991106_30.0128.C1.o1.tm	Method	TBLASTX:Maize
Start	248	End	609
GI	none	Score	92
Exons	248..325, 270..308, 409..516, 580..609	410..517, 535..564, 536..565,	
Seq. No.	17366	Seq. ID	OJ991106_30.0128.C1
Gene No.	36482	Strand	+
Start	143	End	611
Name	OJ991106_30.0128.C1.o1.tw	Method	TBLASTX:Wheat
Start	248	End	585
GI	none	Score	91
Exons	248..310, 256..309, 270..311, 535..585, 536..565	416..517, 417..437, 418..516,	
Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36483	Strand	+
Start	416	End	556
Name	OJ991106_30.0128.C3.o1.gs	Method	GENSCAN
Start	416	End	556
GI	none	Score	.45
Exons	416..556		
Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36484	Strand	+
Start	3165	End	9955
Name	OJ991106_30.0128.C3.o1.gp	Method	AAT/GAP
Start	3135	End	3611
GI	2431531	Score	625
Exons	3135..3336, 3440..3611		
Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36484	Strand	+
Start	3165	End	9955

Name	OJ991106_30.0128.C3.o1.np	Method	AAT/NAP
Start	3165	End	6090
GI	6689616	Score	316
Exons	3165..3336, 3440..3814, 5309..5400, 6065..6090		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36484	Strand	+
Start	3165	End	9955
Name	OJ991106_30.0128.C3.o2.gs	Method	GENSCAN
Start	3165	End	6962
GI	none	Score	.69
Exons	3165..3336, 3440..3826, 4759..4883, 5073..5249, 5705..5827, 6873..6962		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36484	Strand	+
Start	3165	End	9955
Name	OJ991106_30.0128.C3.o2.np	Method	AAT/NAP
Start	4519	End	9955
GI	6714394	Score	208
Exons	4519..4639, 7688..7981, 9881..9955		
GI Descrip.	(AC012393) unknown protein [Arabidopsis thaliana]		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36484	Strand	+
Start	3165	End	9955
Name	OJ991106_30.0128.C3.o3.gs	Method	GENSCAN
Start	7579	End	8087
GI	none	Score	.79
Exons	7579..7743, 7835..7981, 8028..8087		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36485	Strand	-
Start	8636	End	13452
Name	OJ991106_30.0128.C3.o3.np	Method	AAT/NAP
Start	8636	End	13415
GI	6689616	Score	454
Exons	8636..8667, 11789..12275, 13250..13415		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36485	Strand	-
Start	8636	End	13452
Name	OJ991106_30.0128.C3.o4.gs	Method	GENSCAN
Start	11830	End	13394
GI	none	Score	.99
Exons	11830..12275, 13250..13394		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36485	Strand	-
Start	8636	End	13452
Name	OJ991106_30.0128.C3.o2.gp	Method	AAT/GAP
Start	12203	End	13452
GI	570201	Score	472
Exons	12203..12275, 13250..13452		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36486	Strand	-
Start	15532	End	17518
Name	OJ991106_30.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	3284	End	12276
GI	none	Score	135
Exons	3284..3337, 3438..3545, 3439..3546, 3561..3653, 3562..3654, 3678..3704, 3720..3746, 3721..3750, 11963..12106, 11963..12064, 11989..12129, 12118..12243, 12134..12190, 12247..12276, 12252..12275		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36486	Strand	-
Start	15532	End	17518
Name	OJ991106_30.0128.C3.o1.tw	Method	TBLASTX:Wheat
Start	3284	End	13337
GI	none	Score	62
Exons	3284..3337, 3297..3338, 3445..3546, 3447..3545, 3561..3662, 3562..3663, 12025..12084, 12061..12129, 12062..12109, 12118..12234, 12134..12190, 12148..12207, 12247..12270, 13249..13332, 13249..13290, 13281..13337		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36486	Strand	-
Start	15532	End	17518
Name	OJ991106_30.0128.C3.o2.tm	Method	TBLASTX:Maize
Start	7660	End	9979
GI	none	Score	82
Exons	7660..7740, 7661..7741, 7662..7739, 7828..7980, 7829..7978, 7829..7981, 9862..9972, 9874..9972, 9881..9979		

Seq. No.	17367	Seq. ID	OJ991106_30.0128.C3
Gene No.	36486	Strand	-
Start	15532	End	17518
Name	OJ991106_30.0128.C3.o5.gs	Method	GENSCAN
Start	15532	End	17518
GI	none	Score	.74
Exons	15532..15708, 16311..16449, 17047..17178, 17499..17518		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36487	Strand	+
Start	643	End	1704
Name	OJ991106_30.0128.C5.o3.gp	Method	AAT/GAP
Start	643	End	1704
GI	25600_2.R1084	Score	1300
Exons	643..1385, 1500..1704		
GI Descrip.	'3402282/emb|CAA04449| 8.0e-12 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36488	Strand	+
Start	4706	End	5009
Name	OJ991106_30.0128.C5.o5.gp	Method	AAT/GAP
Start	4693	End	4859
GI	25600_4.R1084	Score	285
Exons	4693..4859		
GI Descrip.	'3402282/emb|CAA04449| 2.0e-13 (AJ000997) proline-rich protein		

[Solanum tuberosum]'

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36488	Strand	+
Start	4706	End	5009
Name	OJ991106_30.0128.C5.o2.np	Method	AAT/NAP
Start	4703	End	5009
GI	6689616	Score	100
Exons	4703..4863, 4917..5009		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36488	Strand	+
Start	4706	End	5009
Name	OJ991106_30.0128.C5.o3.gs	Method	GENSCAN
Start	4706	End	4859
GI	none	Score	.89
Exons	4706..4859		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36489	Strand	-
Start	230	End	339
Name	OJ991106_30.0128.C5.o2.gp	Method	AAT/GAP
Start	230	End	339
GI	69953_1.R1084	Score	123
Exons	230..339		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36490	Strand	-
Start	867	End	4864
Name	OJ991106_30.0128.C5.o4.gp	Method	AAT/GAP
Start	627	End	1719
GI	25600_1.R1084	Score	1242
Exons	627..800, 846..1387, 1502..1719		
GI Descrip.	'3402282/emb|CAA04449| 1.0e-11 (AJ000997) proline-rich protein [Solanum tuberosum]'		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36490	Strand	-
Start	867	End	4864
Name	OJ991106_30.0128.C5.o1.gs	Method	GENSCAN
Start	867	End	1655
GI	none	Score	1
Exons	867..1387, 1502..1655		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36490	Strand	-
Start	867	End	4864
Name	OJ991106_30.0128.C5.o1.np	Method	AAT/NAP
Start	876	End	1658
GI	6689616	Score	604
Exons	876..1387, 1502..1658		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5

Gene No.	36490	Strand	-
Start	867	End	4864
Name	OJ991106_30.0128.C5.o1.tm	Method	TBLASTX:Maize
Start	880	End	4864
GI	none	Score	67
Exons	880..984, 1078..1164, 1083..1193, 1084..1194, 1191..1385, 1191..1385, 1192..1386, 1494..1595, 1503..1553, 4751..4864, 4777..4857		

Seq. No.	17368	Seq. ID	OJ991106_30.0128.C5
Gene No.	36490	Strand	-
Start	867	End	4864
Name	OJ991106_30.0128.C5.o1.tw	Method	TBLASTX:Wheat
Start	1146	End	4858
GI	none	Score	45
Exons	1146..1205, 1182..1247, 1184..1240, 1236..1382, 1243..1380, 1491..1583, 1503..1553, 4751..4858, 4762..4857		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36491	Strand	+
Start	4638	End	5438
Name	OJ991106_30.0128.C6.o2.gs	Method	GENSCAN
Start	4638	End	5438
GI	none	Score	.92
Exons	4638..4673, 4998..5438		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36491	Strand	+
Start	4638	End	5438
Name	OJ991106_30.0128.C6.o1.np	Method	AAT/NAP
Start	4727	End	5361
GI	6689616	Score	221
Exons	4727..4894, 4991..5361		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36492	Strand	+
Start	17056	End	17222
Name	OJ991106_30.0128.C6.o3.gp	Method	AAT/GAP
Start	17056	End	17222
GI	6756_1.R1084	Score	240
Exons	17056..17222		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 2.0e-24 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36493	Strand	+
Start	19082	End	19771
Name	OJ991106_30.0128.C6.o2.np	Method	AAT/NAP
Start	19082	End	19771
GI	6689616	Score	358
Exons	19082..19247, 19358..19771		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36493	Strand	+

Start	19082	End	19771
Name	OJ991106_30.0128.C6.o4.gp	Method	AAT/GAP
Start	19105	End	19529
GI	2431531	Score	435
Exons	19105..19247, 19358..19529		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36494	Strand	-
Start	6035	End	8832
Name	OJ991106_30.0128.C6.o3.gs	Method	GENSCAN
Start	6035	End	8832
GI	none	Score	.57
Exons	6035..6154, 7166..7268, 8361..8425, 8779..8832		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36495	Strand	-
Start	19927	End	21452
Name	OJ991106_30.0128.C6.o5.gs	Method	GENSCAN
Start	19927	End	21452
GI	none	Score	.59
Exons	19927..20021, 20145..20369, 20607..20730, 20900..21034, 21405..21452		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36495	Strand	-
Start	19927	End	21452
Name	OJ991106_30.0128.C6.o3.np	Method	AAT/NAP
Start	20082	End	20395
GI	6539588	Score	246
Exons	20082..20395		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36496	Strand	-
Start	22803	End	25448
Name	OJ991106_30.0128.C6.o1.tm	Method	TBLASTX:Maize
Start	4835	End	19689
GI	none	Score	50
Exons	4835..4894, 4842..4904, 4991..5095, 4992..5096, 5111..5188, 5112..5204, 5228..5254, 5270..5296, 5271..5300, 19109..19249, 19187..19249, 19356..19463, 19357..19464, 19479..19583, 19480..19572, 19596..19622, 19645..19689		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36496	Strand	-
Start	22803	End	25448
Name	OJ991106_30.0128.C6.o1.tw	Method	TBLASTX:Wheat
Start	4841	End	19584
GI	none	Score	68
Exons	4841..4912, 4842..4895, 4995..5096, 4997..5095, 5111..5212, 5112..5213, 19187..19249, 19363..19464, 19365..19463, 19479..19580, 19480..19584		

Seq. No.	17369	Seq. ID	OJ991106_30.0128.C6
Gene No.	36496	Strand	-
Start	22803	End	25448
Name	OJ991106_30.0128.C6.o6.gs	Method	GENSCAN

Start	22803	End	25448
GI	none	Score	.59
Exons	22803..22948, 23108..23217, 23383..23500, 23548..23655, 23711..23845, 25163..25448		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36497	Strand	+
Start	299	End	1577
Name	OJ991106_30.0128.C7.o1.gs	Method	GENSCAN
Start	299	End	1577
GI	none	Score	.74
Exons	299..498, 602..767, 781..1027, 1318..1364, 1407..1577		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36497	Strand	+
Start	299	End	1577
Name	OJ991106_30.0128.C7.o1.np	Method	AAT/NAP
Start	333	End	1015
GI	6689616	Score	332
Exons	333..498, 602..1015		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36497	Strand	+
Start	299	End	1577
Name	OJ991106_30.0128.C7.o1.gp	Method	AAT/GAP
Start	349	End	773
GI	2431531	Score	408
Exons	349..498, 602..773		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36498	Strand	+
Start	9249	End	9626
Name	OJ991106_30.0128.C7.o1.tm	Method	TBLASTX:Maize
Start	387	End	9625
GI	none	Score	71
Exons	387..500, 438..512, 600..707, 601..708, 723..827, 724..816, 840..866, 889..933, 9276..9416, 9354..9416, 9523..9624, 9524..9625		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36498	Strand	+
Start	9249	End	9626
Name	OJ991106_30.0128.C7.o1.tw	Method	TBLASTX:Wheat
Start	411	End	9625
GI	none	Score	85
Exons	411..500, 438..500, 607..708, 609..707, 723..824, 724..828, 9354..9416, 9530..9625, 9532..9624		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36498	Strand	+
Start	9249	End	9626
Name	OJ991106_30.0128.C7.o2.np	Method	AAT/NAP
Start	9249	End	9626
GI	6689616	Score	215
Exons	9249..9414, 9525..9626		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36498	Strand	+
Start	9249	End	9626
Name	OJ991106_30.0128.C7.o4.gs	Method	GENSCAN
Start	9249	End	9613
GI	none	Score	.93
Exons	9249..9414, 9473..9613		

Seq. No.	17370	Seq. ID	OJ991106_30.0128.C7
Gene No.	36498	Strand	+
Start	9249	End	9626
Name	OJ991106_30.0128.C7.o2.gp	Method	AAT/GAP
Start	9273	End	9626
GI	2431531	Score	388
Exons	9273..9414, 9525..9626		

Seq. No.	17371	Seq. ID	OJ991206_19.0118.C1
Gene No.	36499	Strand	-
Start	1	End	706
Name	OJ991206_19.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	703
GI	3152566	Score	261
Exons	1..120, 313..415, 498..703		
GI Descrip.	(AC002986) Similar to hypothetical protein YLR002c, gb|Z7314 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	17371	Seq. ID	OJ991206_19.0118.C1
Gene No.	36499	Strand	-
Start	1	End	706
Name	OJ991206_19.0118.C1.o1.gs	Method	GENSCAN
Start	379	End	706
GI	none	Score	.9
Exons	379..415, 498..706		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36500	Strand	+
Start	3162	End	18195
Name	OJ991206_19.0118.C2.o1.np	Method	AAT/NAP
Start	3162	End	15108
GI	4678949	Score	974
Exons	3162..3201, 7760..7809, 7905..7949, 8068..8141, 10861..10930, 11097..11492, 12361..12421, 12496..12540, 12635..12718, 13395..13471, 13550..13612, 14000..14070, 14158..14218, 14294..14354, 14440..14520, 15053..15108		
GI Descrip.	(AL049711) dihydrolipoamide S-acetyltransferase precursor [Arabidopsis thaliana]		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36500	Strand	+
Start	3162	End	18195
Name	OJ991206_19.0118.C2.o1.gp	Method	AAT/GAP
Start	3714	End	13455
GI	388_1.R1084	Score	1995
Exons	3714..3793, 5895..5969, 6066..6122, 6434..6470, 6531..6564, 7760..7809, 7905..7949, 8068..8141, 10861..10930, 11097..11492, 12361..12421, 12496..12540, 12635..12718, 13395..13455		

GI Descrip.	'455399/dbj|BAA04644| 4.0e-48 (D21068) dihydrolipoamide acetyltransferase [Oryza sativa]'		
Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36500	Strand	+
Start	3162	End	18195
Name	OJ991206_19.0118.C2.o2.gs	Method	GENSCAN
Start	5336	End	18195
GI	none	Score	.78
Exons	5336..5541, 5895..5969, 6006..6069, 6186..6236, 6531..6564, 7204..7305, 7760..7809, 8068..8141, 9863..9958, 10861..10930, 11097..11492, 12361..12421, 12635..12718, 13395..13471, 13550..13612, 14294..14354, 14440..14520, 14832..14856, 15546..15636, 16406..16571, 16645..16750, 16774..16917, 17934..18195		
Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36500	Strand	+
Start	3162	End	18195
Name	OJ991206_19.0118.C2.o2.gp	Method	AAT/GAP
Start	13550	End	15405
GI	4450_1.R1084	Score	1243
Exons	13550..13612, 14000..14070, 14158..14218, 14294..14354, 14440..14520, 15053..15405		
GI Descrip.	'4678949/emb|CAB41340.1| 1.0e-55 (AL049711) dihydrolipoamide S-acetyltransferase precursor [Arabidopsis thaliana]'		
Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36501	Strand	-
Start	699	End	3394
Name	OJ991206_19.0118.C2.o1.gs	Method	GENSCAN
Start	699	End	3394
GI	none	Score	.62
Exons	699..758, 2300..2532, 2970..3066, 3093..3141, 3324..3394		
Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o2.np	Method	AAT/NAP
Start	4367	End	21480
GI	6016874	Score	26
Exons	4367..4384, 16541..16615, 19816..19883, 21439..21480		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o2.tm	Method	TBLASTX:Maize
Start	5941	End	10938
GI	none	Score	45
Exons	5941..5970, 6067..6117, 6203..6220, 6420..6473, 6525..6566, 7746..7808, 7750..7809, 7756..7827, 7903..7941, 7904..7945, 7905..7958, 8065..8142, 8065..8145, 10856..10927, 10860..10925, 10861..10929, 10861..10938, 10862..10933		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o1.tc	Method	TBLASTX:Cress
Start	7750	End	14530
GI	none	Score	51
Exons	7750..7809, 7765..7809, 7905..7958, 7905..7958, 8059..8145, 8065..8142, 8065..8142, 8067..8150, 10861..10938, 10862..10933, 10862..10933, 11097..11222, 11136..11495, 11225..11365, 12351..12413, 12361..12426, 12491..12535, 12492..12539, 12628..12717, 12642..12713, 13393..13470, 13394..13477, 13549..13620, 13550..13621, 13997..14068, 13999..14070, 14003..14068, 14136..14222, 14155..14226, 14156..14218, 14291..14356, 14296..14361, 14438..14530, 14439..14525		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	11157	End	15362
GI	none	Score	315
Exons	11157..11495, 11159..11527, 12351..12425, 12353..12424, 12360..12425, 12361..12426, 12493..12540, 12494..12538, 12495..12539, 12622..12717, 12632..12721, 12633..12716, 12640..12747, 13385..13477, 13399..13470, 13549..13614, 13550..13615, 13990..14070, 14003..14068, 14152..14214, 14156..14218, 14291..14359, 14293..14379, 14438..14527, 14439..14522, 14440..14532, 15051..15146, 15051..15152, 15052..15171, 15196..15234, 15200..15286, 15308..15361, 15309..15362		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	11306	End	14527
GI	none	Score	43
Exons	11306..11338, 11306..11350, 11451..11495, 11453..11524, 12351..12425, 12361..12426, 12488..12532, 12492..12539, 12625..12717, 12633..12716, 13385..13477, 13393..13473, 13544..13621, 13549..13620, 13999..14070, 14003..14068, 14152..14217, 14156..14218, 14291..14356, 14299..14361, 14438..14527, 14439..14522		

Seq. No.	17372	Seq. ID	OJ991206_19.0118.C2
Gene No.	36502	Strand	-
Start	4367	End	21480
Name	OJ991206_19.0118.C2.o3.gs	Method	GENSCAN
Start	19039	End	19912
GI	none	Score	.7
Exons	19039..19152, 19239..19403, 19436..19555, 19778..19912		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36503	Strand	+
Start	322	End	4209
Name	OJ991206_19.0118.C3.o1.gs	Method	GENSCAN
Start	322	End	4205

GI	none	Score	.68
Exons	322..464, 864..1208, 1263..1415, 1532..2307, 3616..4205		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36503	Strand	+
Start	322	End	4209
Name	OJ991206_19.0118.C3.o1.np	Method	AAT/NAP
Start	863	End	4209
GI	3269287	Score	1051
Exons	863..1208, 1314..1392, 1534..2382, 3616..4209		
GI Descrip.	(AL030978) GH3 like protein [Arabidopsis thaliana]		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36504	Strand	+
Start	12987	End	14427
Name	OJ991206_19.0118.C3.o3.np	Method	AAT/NAP
Start	12987	End	14427
GI	2827663	Score	949
Exons	12987..14427		
GI Descrip.	(AL021637) membrane-associated salt-inducible-like protein [Arabidopsis thaliana]		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36505	Strand	-
Start	3157	End	6894
Name	OJ991206_19.0118.C3.o2.np	Method	AAT/NAP
Start	3157	End	6810
GI	5669778	Score	641
Exons	3157..3260, 5741..6810		
GI Descrip.	(AF108008) HV1LRR1 [Hordeum vulgare]		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36505	Strand	-
Start	3157	End	6894
Name	OJ991206_19.0118.C3.o1.gp	Method	AAT/GAP
Start	4311	End	4539
GI	none	Score	384
Exons	4311..4539		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36505	Strand	-
Start	3157	End	6894
Name	OJ991206_19.0118.C3.o2.gs	Method	GENSCAN
Start	5080	End	6894
GI	none	Score	.72
Exons	5080..5482, 6056..6894		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o5.tm	Method	TBLASTX:Maize
Start	1584	End	1940
GI	none	Score	134
Exons	1584..1829, 1656..1835, 1806..1940		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-

Start	17261	End	18915
Name	OJ991206_19.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	1722	End	4177
GI	none	Score	170
Exons	1722..1931, 1749..1886, 1995..2120, 1997..2119, 2111..2245, 2112..2246, 2346..2384, 3603..3704, 3615..3776, 3804..3893, 3921..3980, 3989..4177, 3990..4172		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	1725	End	4177
GI	none	Score	162
Exons	1725..1895, 1727..1906, 2012..2308, 2013..2312, 2346..2384, 3615..3761, 3735..3872, 3824..3871, 3898..3981, 3989..4177, 3990..4172		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	2012	End	2384
GI	none	Score	211
Exons	2012..2269, 2013..2279, 2346..2384		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	2025	End	2384
GI	none	Score	220
Exons	2025..2264, 2036..2251, 2346..2384		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	3735	End	4175
GI	none	Score	85
Exons	3735..3872, 3815..3874, 3909..4175, 3923..4174		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o6.tm	Method	TBLASTX:Maize
Start	5206	End	5415
GI	none	Score	87
Exons	5206..5415, 5228..5407		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o3.ts	Method	TBLASTX:Soybean
Start	5932	End	6858
GI	none	Score	111
Exons	5932..6135, 6157..6243, 6238..6309, 6316..6384, 6592..6858		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o2.tc	Method	TBLASTX:Cress
Start	13090	End	14226
GI	none	Score	70
Exons	13090..13227, 13240..13587, 13288..13491, 13330..13680, 13393..13599, 13434..13730, 13435..13791, 13543..13890, 13576..13794, 13629..13994, 13639..13995, 13708..13917, 13732..14058, 13786..14034, 13821..14036, 13827..14057, 13828..13995, 14029..14202, 14038..14226		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	13108	End	14048
GI	none	Score	68
Exons	13108..13215, 13240..13521, 13422..13763, 13423..13767, 13531..13854, 13645..13986, 13650..13790, 13750..14046, 13758..14048		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	13123	End	14211
GI	none	Score	45
Exons	13123..13218, 13237..13425, 13240..13995, 13240..13764, 13249..13857, 13254..13382, 13330..13680, 13407..13649, 13423..14010, 13494..13877, 13663..13836, 13855..14046, 13867..14211, 13875..14078		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	14196	End	14433
GI	none	Score	258
Exons	14196..14429, 14197..14433		

Seq. No.	17373	Seq. ID	OJ991206_19.0118.C3
Gene No.	36506	Strand	-
Start	17261	End	18915
Name	OJ991206_19.0118.C3.o4.gs	Method	GENSCAN
Start	17261	End	18915
GI	none	Score	.64
Exons	17261..17392, 17817..17979, 18809..18915		

Seq. No.	17374	Seq. ID	OJ991206_19.0118.C4
Gene No.	36507	Strand	+
Start	299	End	2393
Name	OJ991206_19.0118.C4.o1.gs	Method	GENSCAN
Start	299	End	2393
GI	none	Score	.66
Exons	299..319, 630..704, 978..1038, 1243..1322, 2277..2393		

Seq. No.	17374	Seq. ID	OJ991206_19.0118.C4
Gene No.	36508	Strand	+
Start	4718	End	4861
Name	OJ991206_19.0118.C4.o2.gs	Method	GENSCAN
Start	4718	End	4861
GI	none	Score	.66
Exons	4718..4861		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36509	Strand	+
Start	101	End	199
Name	OJ991206_19.0118.C5.o1.gs	Method	GENSCAN
Start	101	End	199
GI	none	Score	.66
Exons	101..199		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36510	Strand	+
Start	3210	End	3535
Name	OJ991206_19.0118.C5.o1.gp	Method	AAT/GAP
Start	3210	End	3535
GI	none	Score	644
Exons	3210..3535		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36511	Strand	-
Start	2832	End	9550
Name	OJ991206_19.0118.C5.o2.gs	Method	GENSCAN
Start	2832	End	9550
GI	none	Score	.8
Exons	2832..2965, 3031..3111, 3730..3767, 5275..5806, 6642..6758, 7327..7430, 7504..7622, 8617..8882, 9443..9550		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36511	Strand	-
Start	2832	End	9550
Name	OJ991206_19.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	3462	End	5501
GI	none	Score	103
Exons	3462..3599, 3508..3597, 5259..5501, 5271..5501		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36511	Strand	-
Start	2832	End	9550
Name	OJ991206_19.0118.C5.o2.gp	Method	AAT/GAP
Start	5433	End	6674
GI	2427541	Score	764
Exons	5433..5806, 6642..6674		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36511	Strand	-
Start	2832	End	9550
Name	OJ991206_19.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	5565	End	5781
GI	none	Score	85
Exons	5565..5780, 5679..5780, 5686..5781		

Seq. No.	17375	Seq. ID	OJ991206_19.0118.C5
Gene No.	36511	Strand	-
Start	2832	End	9550
Name	OJ991206_19.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	6703	End	9546
GI	none	Score	56
Exons	6703..6747, 6704..6760, 6847..6927, 6869..6928, 6994..7116, 7017..7133, 7324..7431, 7328..7438, 7328..7438, 7501..7599, 7502..7594, 7503..7595, 7510..7596, 8607..8858, 8608..8883, 8608..8880, 8652..8882, 9444..9542, 9445..9546		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36512	Strand	+
Start	2320	End	2716
Name	OJ991206_19.0118.C6.o2.gp	Method	AAT/GAP
Start	2320	End	2716
GI	none	Score	790
Exons	2320..2716		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36513	Strand	-
Start	1	End	68
Name	OJ991206_19.0118.C6.o1.gp	Method	AAT/GAP
Start	1	End	68
GI	none	Score	105
Exons	1..68		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o1.gs	Method	GENSCAN
Start	2523	End	5564
GI	none	Score	.9
Exons	2523..2897, 3250..3417, 4062..5564		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o1.np	Method	AAT/NAP
Start	2550	End	5376
GI	6735297	Score	1425
Exons	2550..2897, 3250..3417, 4107..4868, 4939..5136, 5200..5376		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o2.tc	Method	TBLASTX:Cress
Start	2625	End	3318
GI	none	Score	165
Exons	2625..2903, 2626..2901, 3250..3318		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o1.tm	Method	TBLASTX:Maize

Start	2750	End	3333
GI	none	Score	180
Exons	2750..2902, 2751..2915, 2752..2901, 3250..3333, 3251..3331		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	3250	End	4179
GI	none	Score	119
Exons	3250..3420, 3254..3415, 4059..4178, 4059..4178, 4060..4179		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	4290	End	4670
GI	none	Score	68
Exons	4290..4442, 4290..4541, 4291..4542, 4572..4670, 4585..4662		

Seq. No.	17376	Seq. ID	OJ991206_19.0118.C6
Gene No.	36514	Strand	-
Start	2523	End	5564
Name	OJ991206_19.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	4416	End	4656
GI	none	Score	109
Exons	4416..4562, 4420..4557, 4572..4655, 4573..4656		

Seq. No.	17377	Seq. ID	OJ991206_19.0118.C7
Gene No.	36515	Strand	+
Start	2430	End	2688
Name	OJ991206_19.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	2424	End	2594
GI	none	Score	197
Exons	2424..2489, 2430..2594, 2486..2587		

Seq. No.	17377	Seq. ID	OJ991206_19.0118.C7
Gene No.	36515	Strand	+
Start	2430	End	2688
Name	OJ991206_19.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	2427	End	2645
GI	none	Score	235
Exons	2427..2645, 2430..2486, 2489..2629		

Seq. No.	17377	Seq. ID	OJ991206_19.0118.C7
Gene No.	36515	Strand	+
Start	2430	End	2688
Name	OJ991206_19.0118.C7.o1.gs	Method	GENSCAN
Start	2430	End	2624
GI	none	Score	.99
Exons	2430..2624		

Seq. No.	17377	Seq. ID	OJ991206_19.0118.C7
Gene No.	36515	Strand	+
Start	2430	End	2688
Name	OJ991206_19.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	2430	End	2618

GI	none	Score	214
Exons	2430..2618, 2430..2486, 2489..2602		

Seq. No.	17377	Seq. ID	OJ991206_19.0118.C7
Gene No.	36515	Strand	+
Start	2430	End	2688
Name	OJ991206_19.0118.C7.o1.np	Method	AAT/NAP
Start	2430	End	2688
GI	5002246	Score	215
Exons	2430..2688		
GI Descrip.	(AF147721) E12A11 protein [Arabidopsis thaliana]		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36516	Strand	+
Start	1	End	1663
Name	OJ991206_19.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	1654
GI	5002246	Score	224
Exons	1..95, 1431..1654		
GI Descrip.	(AF147721) E12A11 protein [Arabidopsis thaliana]		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36516	Strand	+
Start	1	End	1663
Name	OJ991206_19.0118.C8.o1.gs	Method	GENSCAN
Start	772	End	1663
GI	none	Score	.52
Exons	772..895, 1431..1663		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36517	Strand	+
Start	7517	End	10914
Name	OJ991206_19.0118.C8.o3.gs	Method	GENSCAN
Start	7517	End	10914
GI	none	Score	.89
Exons	7517..7618, 8031..8201, 10027..10081, 10856..10914		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36518	Strand	+
Start	16174	End	22574
Name	OJ991206_19.0118.C8.o3.np	Method	AAT/NAP
Start	16174	End	22574
GI	4263831	Score	103
Exons	16174..16206, 20084..20410, 20527..20693, 22544..22574		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36519	Strand	+
Start	29762	End	30088
Name	OJ991206_19.0118.C8.o2.gp	Method	AAT/GAP
Start	29762	End	30088
GI	none	Score	650
Exons	29762..30088		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36520	Strand	-

Start	7180	End	8234
Name	OJ991206_19.0118.C8.o2.np	Method	AAT/NAP
Start	7180	End	8234
GI	5922623	Score	163
Exons	7180..7256, 7444..7559, 8124..8234		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36521	Strand	-
Start	13866	End	15234
Name	OJ991206_19.0118.C8.o4.gs	Method	GENSCAN
Start	13866	End	15234
GI	none	Score	.83
Exons	13866..13871, 15127..15234		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36522	Strand	-
Start	25218	End	31548
Name	OJ991206_19.0118.C8.o6.gs	Method	GENSCAN
Start	25218	End	30704
GI	none	Score	.49
Exons	25218..25490, 27289..27370, 28424..28550, 30434..30704		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36522	Strand	-
Start	25218	End	31548
Name	OJ991206_19.0118.C8.o5.np	Method	AAT/NAP
Start	30204	End	31548
GI	3152566	Score	415
Exons	30204..30704, 30791..30888, 31068..31209, 31492..31548		
GI Descrip.	(AC002986) Similar to hypothetical protein YLR002c, gb|Z7314 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36522	Strand	-
Start	25218	End	31548
Name	OJ991206_19.0118.C8.o2.tm	Method	TBLASTX:Maize
Start	30242	End	30465
GI	none	Score	163
Exons	30242..30463, 30252..30464, 30253..30465		

Seq. No.	17378	Seq. ID	OJ991206_19.0118.C8
Gene No.	36522	Strand	-
Start	25218	End	31548
Name	OJ991206_19.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	30469	End	30705
GI	none	Score	255
Exons	30469..30702, 30471..30701, 30496..30705		

Seq. No.	17379	Seq. ID	OJ991206_19.0118.C11
Gene No.	36523	Strand	+
Start	1	End	655
Name	OJ991206_19.0118.C11.o1.np	Method	AAT/NAP
Start	1	End	655
GI	3152566	Score	218

Exons	1..209, 425..655		
GI Descrip.	(AC002986) Similar to hypothetical protein YLR002c, gb|Z7314 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	17379	Seq. ID	OJ991206_19.0118.C11
Gene No.	36523	Strand	+
Start	1	End	655
Name	OJ991206_19.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	45	End	214
GI	none	Score	192
Exons	45..212, 53..214		

Seq. No.	17379	Seq. ID	OJ991206_19.0118.C11
Gene No.	36523	Strand	+
Start	1	End	655
Name	OJ991206_19.0118.C11.o1.gs	Method	GENSCAN
Start	71	End	595
GI	none	Score	.87
Exons	71..209, 425..595		

Seq. No.	17379	Seq. ID	OJ991206_19.0118.C11
Gene No.	36523	Strand	+
Start	1	End	655
Name	OJ991206_19.0118.C11.o1.gp	Method	AAT/GAP
Start	534	End	623
GI	3107782	Score	107
Exons	534..623		
GI Descrip.	3152566 6.0e-11 (AC002986) Similar to hypothetical protein YLR002c, gb_Z7314 from S. cerevisiae. [Arabidopsis thaliana]		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36524	Strand	+
Start	84	End	178
Name	OJ991216_14.0114.C1.o1.gs	Method	GENSCAN
Start	84	End	178
GI	none	Score	.93
Exons	84..178		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o2.gs	Method	GENSCAN
Start	1068	End	1520
GI	none	Score	.99
Exons	1068..1520		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o1.gp	Method	AAT/GAP
Start	1118	End	1575
GI	5038723	Score	873
Exons	1118..1575		
GI Descrip.	3402684 1.0e-44 (AC004697) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1

Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o1.np	Method	AAT/NAP
Start	1142	End	1605
GI	3329366	Score	393
Exons	1142..1605		
GI Descrip.	(AF031243) nodule-specific protein Nlj70 [Lotus japonicus]		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o1.tc	Method	TBLASTX:Cress
Start	1191	End	1557
GI	none	Score	59
Exons	1191..1247, 1242..1340, 1252..1320, 1368..1556, 1369..1557		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o1.tm	Method	TBLASTX:Maize
Start	1236	End	1602
GI	none	Score	47
Exons	1236..1274, 1240..1275, 1278..1358, 1335..1601, 1369..1602		

Seq. No.	17380	Seq. ID	OJ991216_14.0114.C1
Gene No.	36525	Strand	-
Start	1068	End	1605
Name	OJ991216_14.0114.C1.o1.ts	Method	TBLASTX:Soybean
Start	1413	End	1602
GI	none	Score	144
Exons	1413..1601, 1429..1602		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36526	Strand	+
Start	2868	End	3363
Name	OJ991216_14.0114.C2.o2.np	Method	AAT/NAP
Start	2868	End	3363
GI	6063557	Score	121
Exons	2868..2997, 3218..3363		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.np	Method	AAT/NAP
Start	310	End	1360
GI	3402684	Score	838
Exons	310..1360		
GI Descrip.	(AC004697) nodulin-like protein [Arabidopsis thaliana]		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.gp	Method	AAT/GAP
Start	322	End	397
GI	3759004	Score	110
Exons	322..397		

GI Descrip. 3402684 8.0e-24 (AC004697) hypothetical protein [Arabidopsis thaliana]

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.gs	Method	GENSCAN
Start	346	End	1428
GI	none	Score	.5
Exons	346..1428		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o3.ts	Method	TBLASTX:Soybean
Start	352	End	723
GI	none	Score	166
Exons	352..408, 520..723		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.ts	Method	TBLASTX:Soybean
Start	748	End	1140
GI	none	Score	299
Exons	748..1140, 788..1138		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.tc	Method	TBLASTX:Cress
Start	847	End	1299
GI	none	Score	191
Exons	847..1299, 866..1297		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o1.tm	Method	TBLASTX:Maize
Start	859	End	1354
GI	none	Score	668
Exons	859..1353, 860..1354, 1184..1354		

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o2.gp	Method	AAT/GAP
Start	959	End	1482
GI	26017_1.R1084	Score	970
Exons	959..1482		

GI Descrip. '3402684 5.0e-33 (AC004697) hypothetical protein [Arabidopsis thaliana]'

Seq. No.	17381	Seq. ID	OJ991216_14.0114.C2
Gene No.	36527	Strand	-
Start	310	End	1482
Name	OJ991216_14.0114.C2.o2.ts	Method	TBLASTX:Soybean

Start	1141	End	1314
GI	none	Score	124
Exons	1141..1314, 1142..1312		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o1.gp	Method	AAT/GAP
Start	5116	End	5826
GI	1643_1.R1084	Score	1183
Exons	5116..5696, 5782..5826		
GI Descrip.	'4678948/emb|CAB41339.1| 6.0e-13 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o1.np	Method	AAT/NAP
Start	5509	End	9979
GI	4678948	Score	672
Exons	5509..5696, 5782..5852, 7016..7135, 7595..7715, 7797..7869, 7957..8056, 8351..8442, 8809..8941, 9664..9752, 9882..9979		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o2.gs	Method	GENSCAN
Start	5518	End	9843
GI	none	Score	.67
Exons	5518..5657, 5782..5852, 6220..6270, 7016..7135, 7595..7715, 7797..7869, 7957..8056, 8351..8442, 8809..8941, 9664..9843		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o2.tm	Method	TBLASTX:Maize
Start	5518	End	7095
GI	none	Score	203
Exons	5518..5697, 5519..5698, 5629..5700, 5747..5854, 5749..5853, 5781..5855, 5783..5866, 5784..5873, 7004..7093, 7015..7095		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o1.ts	Method	TBLASTX:Soybean
Start	5569	End	5855
GI	none	Score	69
Exons	5569..5694, 5572..5697, 5573..5698, 5783..5848, 5784..5855		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o2.gp	Method	AAT/GAP
Start	7013	End	7127
GI	1036967	Score	185
Exons	7013..7127		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o1.tm	Method	TBLASTX:Maize
Start	7096	End	8901
GI	none	Score	74
Exons	7096..7140, 7097..7141, 7565..7693, 7575..7694, 7582..7725, 7588..7740, 7795..7869, 7796..7870, 7797..7871, 7955..8038, 7956..8057, 7957..8058, 7961..8059, 8347..8442, 8351..8443, 8353..8445, 8789..8896, 8809..8901		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o2.ts	Method	TBLASTX:Soybean
Start	7594	End	8002
GI	none	Score	57
Exons	7594..7734, 7595..7687, 7798..7869, 7799..7894, 7964..8002		

Seq. No.	17382	Seq. ID	OJ991216_14.0114.C3
Gene No.	36528	Strand	-
Start	5116	End	9979
Name	OJ991216_14.0114.C3.o3.gp	Method	AAT/GAP
Start	7957	End	9979
GI	9910_1.R1084	Score	883
Exons	7957..8056, 8351..8442, 8809..8941, 9664..9764, 9897..9979		
GI Descrip.	'3402684 8.0e-24 (AC004697) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36529	Strand	+
Start	389	End	2518
Name	OJ991216_14.0114.C4.o1.gs	Method	GENSCAN
Start	389	End	2518
GI	none	Score	.78
Exons	389..470, 2101..2145, 2376..2518		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36530	Strand	+
Start	4423	End	5774
Name	OJ991216_14.0114.C4.o2.gs	Method	GENSCAN
Start	4423	End	5774
GI	none	Score	.73
Exons	4423..4481, 4564..4672, 5586..5774		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36530	Strand	+
Start	4423	End	5774
Name	OJ991216_14.0114.C4.o1.np	Method	AAT/NAP
Start	5040	End	5394
GI	6630699	Score	90
Exons	5040..5394		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36531	Strand	+
Start	7850	End	10436
Name	OJ991216_14.0114.C4.o2.np	Method	AAT/NAP
Start	7850	End	10436
GI	5295955	Score	428
Exons	7850..7979, 8516..8604, 9299..9641, 9712..10436		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o3.np	Method	AAT/NAP
Start	15139	End	17440
GI	6119538	Score	1146
Exons	15139..15628, 15835..16049, 16215..16365, 16488..16679, 16825..16987, 17121..17314, 17369..17440		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o2.gp	Method	AAT/GAP
Start	15152	End	15376
GI	none	Score	402
Exons	15152..15376		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o6.gs	Method	GENSCAN
Start	15191	End	17419
GI	none	Score	.98
Exons	15191..15628, 15835..16049, 16215..16365, 16488..16679, 16825..16987, 17121..17419		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o1.ts	Method	TBLASTX:Soybean
Start	15434	End	16989
GI	none	Score	208
Exons	15434..15619, 15434..15619, 15550..15621, 15840..16061, 15841..15981, 15855..16049, 16212..16364, 16212..16319, 16213..16377, 16222..16365, 16487..16678, 16488..16679, 16491..16703, 16819..16989, 16824..16988		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o2.tc	Method	TBLASTX:Cress
Start	15832	End	15983
GI	none	Score	211
Exons	15832..15981, 15834..15983		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4

Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o1.tm	Method	TBLASTX:Maize
Start	16017	End	16571
GI	none	Score	197
Exons	16017..16061, 16211..16369, 16213..16377, 16213..16368, 16485..16568, 16488..16571, 16489..16569		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o1.tc	Method	TBLASTX:Cress
Start	16216	End	16925
GI	none	Score	178
Exons	16216..16377, 16219..16377, 16467..16697, 16475..16672, 16488..16679, 16818..16925, 16819..16923		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o2.tm	Method	TBLASTX:Maize
Start	16571	End	16991
GI	none	Score	141
Exons	16571..16675, 16572..16679, 16572..16679, 16818..16991, 16819..16989		

Seq. No.	17383	Seq. ID	OJ991216_14.0114.C4
Gene No.	36532	Strand	+
Start	15191	End	17440
Name	OJ991216_14.0114.C4.o3.tm	Method	TBLASTX:Maize
Start	17201	End	17425
GI	none	Score	84
Exons	17201..17299, 17274..17417, 17276..17425, 17276..17419, 17306..17377		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36533	Strand	+
Start	1	End	1440
Name	OJ991216_14.0114.C5.o1.np	Method	AAT/NAP
Start	1	End	742
GI	6119538	Score	205
Exons	1..61, 545..742		
GI Descrip.	(AC011560) unknown protein [Arabidopsis thaliana]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36533	Strand	+
Start	1	End	1440
Name	OJ991216_14.0114.C5.o2.np	Method	AAT/NAP
Start	1	End	1311
GI	1652057	Score	179
Exons	1..21, 520..721, 812..908, 941..976, 1141..1311		
GI Descrip.	(D90902) hypothetical protein [Synechocystis sp.]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36533	Strand	+
Start	1	End	1440
Name	OJ991216_14.0114.C5.o1.gs	Method	GENSCAN

Start	44	End	1440
GI	none	Score	.99
Exons	44..61, 545..721, 812..976, 1141..1440		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36534	Strand	+
Start	2581	End	5227
Name	OJ991216_14.0114.C5.o3.np	Method	AAT/NAP
Start	2566	End	5224
GI	2462758	Score	387
Exons	2566..2691, 4412..4604, 4650..5045, 5112..5224		
GI Descrip.	(AC002292) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36534	Strand	+
Start	2581	End	5227
Name	OJ991216_14.0114.C5.o2.gs	Method	GENSCAN
Start	2581	End	5227
GI	none	Score	.99
Exons	2581..2691, 4412..5227		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36535	Strand	+
Start	14339	End	14571
Name	OJ991216_14.0114.C5.o5.np	Method	AAT/NAP
Start	14339	End	14571
GI	6665714	Score	71
Exons	14339..14571		
GI Descrip.	(AF211191) polypyrimidine tract binding protein [Drosophila melanogaster]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o1.tm	Method	TBLASTX:Maize
Start	524	End	1255
GI	none	Score	282
Exons	524..721, 542..721, 568..726, 796..864, 809..877, 809..865, 865..978, 872..976, 872..988, 876..986, 1128..1229, 1134..1238, 1135..1254, 1138..1254, 1139..1255		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o1.ts	Method	TBLASTX:Soybean
Start	524	End	1437
GI	none	Score	221
Exons	524..721, 530..721, 565..726, 809..889, 878..988, 1128..1229, 1134..1229, 1135..1305, 1138..1317, 1139..1321, 1272..1325, 1390..1437		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o2.tc	Method	TBLASTX:Cress
Start	554	End	949
GI	none	Score	216

Exons	554..724, 554..721, 568..723, 809..949, 821..862		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o3.tc	Method	TBLASTX:Cress
Start	1128	End	1334
GI	none	Score	218
Exons	1128..1334, 1138..1320		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o4.tm	Method	TBLASTX:Maize
Start	1258	End	1657
GI	none	Score	108
Exons	1258..1410, 1258..1323, 1260..1361, 1359..1439, 1360..1419, 1409..1441, 1517..1564, 1521..1562, 1522..1566, 1547..1657, 1566..1592, 1574..1618		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o5.tm	Method	TBLASTX:Maize
Start	2578	End	4558
GI	none	Score	165
Exons	2578..2694, 2599..2691, 4411..4557, 4421..4558		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o3.ts	Method	TBLASTX:Soybean
Start	2581	End	5215
GI	none	Score	141
Exons	2581..2694, 4409..4516, 4410..4508, 4420..4572, 4421..4561, 4672..4716, 4673..4720, 4916..4999, 5078..5152, 5153..5215		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o2.tm	Method	TBLASTX:Maize
Start	4731	End	5218
GI	none	Score	62
Exons	4731..4823, 4732..4779, 4785..4865, 4785..4835, 4921..4995, 4923..5093, 4924..5094, 4956..5093, 5063..5113, 5085..5216, 5090..5191, 5090..5218, 5122..5205		
Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o1.gp	Method	AAT/GAP
Start	5542	End	6647
GI	83947_1.R1084	Score	1740
Exons	5542..6211, 6307..6647		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 8.0e-61 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o3.gs	Method	GENSCAN
Start	5861	End	13822
GI	none	Score	.65
Exons	5861..5904, 6307..6515, 6710..6846, 6993..7078, 7142..7247, 7447..7555, 7994..8126, 8797..8892, 9230..9348, 9842..9900, 10357..10458, 10883..11241, 11950..11997, 12064..12265, 13634..13822		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o4.np	Method	AAT/NAP
Start	6313	End	11215
GI	4006920	Score	1394
Exons	6313..6402, 6769..6894, 6993..7063, 7136..7247, 7447..7555, 7994..8094, 8404..8484, 8582..8691, 8797..8892, 9230..9348, 9621..9691, 9853..9900, 10357..10458, 10883..11215		
GI Descrip.	(Z99708) actin interacting protein [Arabidopsis thaliana]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o2.ts	Method	TBLASTX:Soybean
Start	6319	End	7070
GI	none	Score	73
Exons	6319..6402, 6326..6403, 6718..6894, 6767..6895, 6771..6896, 6971..7054, 6990..7070, 6990..7064		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o5.tc	Method	TBLASTX:Cress
Start	6322	End	7052
GI	none	Score	95
Exons	6322..6402, 6332..6403, 6763..6882, 6767..6883, 6779..6889, 6990..7052		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o2.gp	Method	AAT/GAP
Start	7056	End	7564
GI	3061004	Score	540
Exons	7056..7247, 7447..7564		
GI Descrip.	4006920/emb|CAB16815.1| 4.0e-24 (Z99708) actin interacting protein [Arabidopsis thaliana]		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o1.tc	Method	TBLASTX:Cress
Start	7993	End	8894
GI	none	Score	71
Exons	7993..8043, 8398..8496, 8399..8488, 8582..8692, 8586..8693,		

8795..8893, 8796..8894

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o4.tc	Method	TBLASTX:Cress
Start	9641	End	11152
GI	none	Score	127
Exons	9641..9691, 10348..10461, 10352..10459, 10895..11152, 10913..11110		

Seq. No.	17384	Seq. ID	OJ991216_14.0114.C5
Gene No.	36536	Strand	-
Start	5861	End	13822
Name	OJ991216_14.0114.C5.o3.tm	Method	TBLASTX:Maize
Start	10948	End	11257
GI	none	Score	210
Exons	10948..11217, 10948..11208, 10949..11215, 11203..11250, 11204..11257		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36537	Strand	+
Start	9	End	262
Name	OJ991216_14.0114.C6.o1.gp	Method	AAT/GAP
Start	9	End	262
GI	4716657	Score	429
Exons	9..262		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36538	Strand	+
Start	4631	End	7670
Name	OJ991216_14.0114.C6.o3.gs	Method	GENSCAN
Start	4631	End	7670
GI	none	Score	.61
Exons	4631..4801, 4935..5052, 7199..7349, 7652..7670		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36539	Strand	+
Start	8900	End	10633
Name	OJ991216_14.0114.C6.o4.gs	Method	GENSCAN
Start	8900	End	10633
GI	none	Score	.71
Exons	8900..10633		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36540	Strand	+
Start	10703	End	14863
Name	OJ991216_14.0114.C6.o5.gs	Method	GENSCAN
Start	10703	End	14863
GI	none	Score	.48
Exons	10703..10786, 10895..11072, 11217..11518, 11671..11800, 11981..12942, 13072..13935, 14002..14288, 14698..14863		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36540	Strand	+
Start	10703	End	14863
Name	OJ991216_14.0114.C6.o1.np	Method	AAT/NAP

Start	10926	End	14860
GI	4206306	Score	3062
Exons	10926..14860		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36541	Strand	-
Start	1881	End	3857
Name	OJ991216_14.0114.C6.o2.gs	Method	GENSCAN
Start	1881	End	3857
GI	none	Score	.76
Exons	1881..2444, 3720..3857		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36542	Strand	-
Start	15452	End	19541
Name	OJ991216_14.0114.C6.o6.gs	Method	GENSCAN
Start	15452	End	19541
GI	none	Score	.46
Exons	15452..15904, 16188..16832, 16904..17011, 17114..17708, 17789..18098, 18187..19090, 19205..19263, 19463..19541		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36543	Strand	-
Start	21900	End	22857
Name	OJ991216_14.0114.C6.o7.gs	Method	GENSCAN
Start	21900	End	22857
GI	none	Score	.77
Exons	21900..22062, 22146..22212, 22362..22395, 22555..22857		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36544	Strand	-
Start	23847	End	26567
Name	OJ991216_14.0114.C6.o2.np	Method	AAT/NAP
Start	23846	End	26561
GI	4519938	Score	1096
Exons	23846..26561		
GI Descrip.	(AB019240) RPR1h [Oryza sativa]		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36544	Strand	-
Start	23847	End	26567
Name	OJ991216_14.0114.C6.o8.gs	Method	GENSCAN
Start	23847	End	26567
GI	none	Score	.59
Exons	23847..26567		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36544	Strand	-
Start	23847	End	26567
Name	OJ991216_14.0114.C6.o3.np	Method	AAT/NAP
Start	24678	End	26441
GI	5669782	Score	976
Exons	24678..26441		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6

Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o7.tw	Method	TBLASTX:Wheat
Start	10040	End	10384
GI	none	Score	182
Exons	10040..10384		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o8.tw	Method	TBLASTX:Wheat
Start	11314	End	11536
GI	none	Score	178
Exons	11314..11535, 11315..11536		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o2.tw	Method	TBLASTX:Wheat
Start	11740	End	12093
GI	none	Score	329
Exons	11740..12093, 11766..12092, 11836..12093		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o1.tm	Method	TBLASTX:Maize
Start	11868	End	12225
GI	none	Score	409
Exons	11868..12224, 11869..12225		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o1.tw	Method	TBLASTX:Wheat
Start	12094	End	29293
GI	none	Score	451
Exons	12094..12513, 12096..12263, 12106..12510, 12297..12512, 29174..29293		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o2.tm	Method	TBLASTX:Maize
Start	12253	End	12636
GI	none	Score	394
Exons	12253..12636, 12363..12623		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o2.ts	Method	TBLASTX:Soybean
Start	12355	End	12755
GI	none	Score	290
Exons	12355..12738, 12405..12548, 12663..12755		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6

Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o6.tw	Method	TBLASTX:Wheat
Start	12562	End	12939
GI	none	Score	120
Exons	12562..12729, 12814..12939, 12819..12932		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o3.tw	Method	TBLASTX:Wheat
Start	13005	End	13437
GI	none	Score	322
Exons	13005..13436, 13006..13437		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o3.tm	Method	TBLASTX:Maize
Start	13639	End	14097
GI	none	Score	355
Exons	13639..14097, 13764..13958, 13998..14096		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o5.tw	Method	TBLASTX:Wheat
Start	13747	End	14136
GI	none	Score	262
Exons	13747..14136, 13791..13958, 14013..14054		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o4.ts	Method	TBLASTX:Soybean
Start	13909	End	14283
GI	none	Score	90
Exons	13909..14052, 13935..14051, 14059..14283		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o5.tm	Method	TBLASTX:Maize
Start	14097	End	14268
GI	none	Score	215
Exons	14097..14267, 14098..14268		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o1.ts	Method	TBLASTX:Soybean
Start	23949	End	25679
GI	none	Score	77
Exons	23949..24155, 25024..25260, 25029..25571, 25095..25307, 25379..25444, 25402..25509, 25599..25679		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6

Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o4.tm	Method	TBLASTX:Maize
Start	25116	End	25337
GI	none	Score	114
Exons	25116..25337, 25117..25263, 25125..25337		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o4.tw	Method	TBLASTX:Wheat
Start	25189	End	25502
GI	none	Score	57
Exons	25189..25263, 25191..25502		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o1.tc	Method	TBLASTX:Cress
Start	25206	End	25974
GI	none	Score	102
Exons	25206..25307, 25395..25472, 25503..25559, 25656..25760, 25797..25973, 25822..25974		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o3.ts	Method	TBLASTX:Soybean
Start	25692	End	26360
GI	none	Score	88
Exons	25692..25757, 25812..26060, 25924..26055, 26259..26360		

Seq. No.	17385	Seq. ID	OJ991216_14.0114.C6
Gene No.	36545	Strand	-
Start	27259	End	29293
Name	OJ991216_14.0114.C6.o9.gs	Method	GENSCAN
Start	27259	End	29091
GI	none	Score	.73
Exons	27259..27348, 27616..27723, 28780..29091		

Seq. No.	17386	Seq. ID	OJ991216_14.0114.C7
Gene No.	36546	Strand	-
Start	2542	End	9943
Name	OJ991216_14.0114.C7.o1.gp	Method	AAT/GAP
Start	2542	End	9943
GI	15349_1.R1084	Score	1154
Exons	2542..2581, 3139..3274, 4876..4944, 7201..7549, 9837..9943		
GI Descrip.	'629783/pir||S44281 4.0e-43 ES43 protein - barley >gi_1345528_emb_CAA54682_ (X77575) ES43 [Hordeum vulgare]'		

Seq. No.	17386	Seq. ID	OJ991216_14.0114.C7
Gene No.	36546	Strand	-
Start	2542	End	9943
Name	OJ991216_14.0114.C7.o1.np	Method	AAT/NAP
Start	2555	End	9924
GI	629783	Score	791
Exons	2555..2581, 3139..3274, 4876..4944, 7201..7549, 9837..9924		

GI Descrip.	ES43 protein - barley gi|1345528|emb|CAA54682| (X77575) ES43 [Hordeum vulgare]		
Seq. No.	17386	Seq. ID	OJ991216_14.0114.C7
Gene No.	36546	Strand	-
Start	2542	End	9943
Name	OJ991216_14.0114.C7.o1.tm	Method	TBLASTX:Maize
Start	3136	End	9932
GI	none	Score	211
Exons	3136..3273, 3137..3304, 3141..3275, 4795..4812, 4873..4944, 4875..4943, 7200..7547, 7201..7569, 9838..9903, 9839..9904, 9894..9932		
Seq. No.	17386	Seq. ID	OJ991216_14.0114.C7
Gene No.	36546	Strand	-
Start	2542	End	9943
Name	OJ991216_14.0114.C7.o1.ts	Method	TBLASTX:Soybean
Start	4867	End	9909
GI	none	Score	74
Exons	4867..4941, 4875..4943, 7198..7452, 7198..7296, 7199..7435, 7200..7454, 7440..7550, 7444..7551, 7484..7552, 9838..9909		
Seq. No.	17386	Seq. ID	OJ991216_14.0114.C7
Gene No.	36546	Strand	-
Start	2542	End	9943
Name	OJ991216_14.0114.C7.o1.tc	Method	TBLASTX:Cress
Start	7275	End	7551
GI	none	Score	117
Exons	7275..7439, 7275..7466, 7276..7464, 7471..7551, 7476..7547		
Seq. No.	17387	Seq. ID	OJ991216_14.0114.C8
Gene No.	36547	Strand	+
Start	1	End	327
Name	OJ991216_14.0114.C8.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	none	Score	611
Exons	1..313		
Seq. No.	17387	Seq. ID	OJ991216_14.0114.C8
Gene No.	36547	Strand	+
Start	1	End	327
Name	OJ991216_14.0114.C8.o1.gs	Method	GENSCAN
Start	122	End	327
GI	none	Score	1
Exons	122..327		
Seq. No.	17388	Seq. ID	OJ991206_16.0112.C1
Gene No.	36548	Strand	+
Start	1	End	410
Name	OJ991206_16.0112.C1.o1.np	Method	AAT/NAP
Start	1	End	410
GI	6539570	Score	123
Exons	1..106, 283..410		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	17389	Seq. ID	OJ991206_16.0112.C2
Gene No.	36549	Strand	-

Start	113	End	265
Name	OJ991206_16.0112.C2.o1.gs	Method	GENSCAN
Start	113	End	265
GI	none	Score	.48
Exons	113..265		

Seq. No.	17390	Seq. ID	OJ991206_16.0112.C3
Gene No.	36550	Strand	-
Start	932	End	4923
Name	OJ991206_16.0112.C3.o2.gs	Method	GENSCAN
Start	932	End	4923
GI	none	Score	.58
Exons	932..1034, 1964..2031, 2569..2718, 2970..3037, 3617..3993, 4776..4923		

Seq. No.	17390	Seq. ID	OJ991206_16.0112.C3
Gene No.	36550	Strand	-
Start	932	End	4923
Name	OJ991206_16.0112.C3.o1.tm	Method	TBLASTX:Maize
Start	2590	End	3887
GI	none	Score	95
Exons	2590..2748, 2591..2746, 2752..2808, 2755..2808, 2809..2892, 2814..2858, 2951..3058, 2970..3074, 2971..3039, 3819..3887, 3820..3882		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.gs	Method	GENSCAN
Start	280	End	7203
GI	none	Score	.85
Exons	280..285, 2016..2522, 2617..2832, 5062..5265, 5355..5424, 5950..6127, 6848..6926, 6964..7203		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.gp	Method	AAT/GAP
Start	1369	End	1829
GI	none	Score	880
Exons	1369..1829		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.tw	Method	TBLASTX:Wheat
Start	1989	End	2177
GI	none	Score	169
Exons	1989..2117, 2039..2116, 2043..2177, 2130..2165		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o2.tm	Method	TBLASTX:Maize
Start	2022	End	2314
GI	none	Score	166
Exons	2022..2129, 2039..2128, 2120..2179, 2121..2165, 2291..2314		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.np	Method	AAT/NAP
Start	2614	End	3167
GI	2642215	Score	113
Exons	2614..2806, 3121..3167		
GI Descrip.	(AF030386) NOI protein [Arabidopsis thaliana]		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o2.gp	Method	AAT/GAP
Start	3129	End	3301
GI	none	Score	205
Exons	3129..3301		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o3.gp	Method	AAT/GAP
Start	3245	End	3435
GI	none	Score	297
Exons	3245..3435		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.tm	Method	TBLASTX:Maize
Start	5968	End	6174
GI	none	Score	245
Exons	5968..6174, 5994..6173		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.ts	Method	TBLASTX:Soybean
Start	5988	End	6177
GI	none	Score	189
Exons	5988..6026, 5995..6177, 6054..6173		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o1.tc	Method	TBLASTX:Cress
Start	5995	End	6177
GI	none	Score	190
Exons	5995..6177, 5995..6132, 6117..6176		

Seq. No.	17391	Seq. ID	OJ991206_16.0112.C4
Gene No.	36551	Strand	+
Start	280	End	7203
Name	OJ991206_16.0112.C4.o2.np	Method	AAT/NAP
Start	6001	End	6183
GI	6642645	Score	159
Exons	6001..6183		

GI Descrip.	(AC012395) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	17392	Seq. ID	OJ991206_16.0112.C5
Gene No.	36552	Strand	+
Start	47	End	763
Name	OJ991206_16.0112.C5.o1.gs	Method	GENSCAN
Start	47	End	763
GI	none	Score	.52
Exons	47..398, 612..763		
Seq. No.	17392	Seq. ID	OJ991206_16.0112.C5
Gene No.	36552	Strand	+
Start	47	End	763
Name	OJ991206_16.0112.C5.o1.tw	Method	TBLASTX:Wheat
Start	245	End	646
GI	none	Score	62
Exons	245..337, 349..546, 545..646		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.gp	Method	AAT/GAP
Start	1	End	696
GI	253_6.R1084	Score	730
Exons	1..69, 162..289, 371..517, 629..696		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.np	Method	AAT/NAP
Start	1	End	696
GI	3023751	Score	504
Exons	1..69, 162..289, 371..517, 629..696		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	696
GI	none	Score	73
Exons	4..99, 6..71, 155..301, 163..291, 367..519, 368..520, 370..519, 588..695, 628..696, 629..694		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.tc	Method	TBLASTX:Cress
Start	6	End	695
GI	none	Score	69

Exons	6..71, 145..270, 155..301, 156..293, 368..520, 370..519, 629..694, 630..695		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.ts	Method	TBLASTX:Soybean
Start	6	End	695
GI	none	Score	59
Exons	6..71, 7..99, 155..301, 156..293, 368..520, 370..519, 629..691, 629..694, 630..695		
Seq. No.	17393	Seq. ID	OJ991206_16.0112.C7
Gene No.	36553	Strand	-
Start	1	End	696
Name	OJ991206_16.0112.C7.o1.gs	Method	GENSCAN
Start	33	End	517
GI	none	Score	.73
Exons	33..69, 158..289, 371..517		
Seq. No.	17394	Seq. ID	OJ991206_16.0112.C8
Gene No.	36554	Strand	+
Start	963	End	1095
Name	OJ991206_16.0112.C8.o1.gs	Method	GENSCAN
Start	963	End	1095
GI	none	Score	.83
Exons	963..1095		
Seq. No.	17394	Seq. ID	OJ991206_16.0112.C8
Gene No.	36555	Strand	-
Start	40	End	437
Name	OJ991206_16.0112.C8.o1.gp	Method	AAT/GAP
Start	40	End	437
GI	none	Score	732
Exons	40..437		
Seq. No.	17395	Seq. ID	OJ991206_16.0112.C9
Gene No.	36556	Strand	+
Start	1674	End	1735
Name	OJ991206_16.0112.C9.o1.gp	Method	AAT/GAP
Start	1674	End	1735
GI	2312838	Score	77
Exons	1674..1735		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	17395	Seq. ID	OJ991206_16.0112.C9
Gene No.	36557	Strand	+
Start	1744	End	1953
Name	OJ991206_16.0112.C9.o1.gs	Method	GENSCAN
Start	1744	End	1953
GI	none	Score	.58
Exons	1744..1953		
Seq. No.	17395	Seq. ID	OJ991206_16.0112.C9
Gene No.	36558	Strand	-
Start	2235	End	2338

Name	OJ991206_16.0112.C9.o2.gs	Method	GENSCAN
Start	2235	End	2338
GI	none	Score	.81
Exons	2235..2338		

Seq. No.	17396	Seq. ID	OJ991206_16.0112.C10
Gene No.	36559	Strand	+
Start	579	End	760
Name	OJ991206_16.0112.C10.o1.gs	Method	GENSCAN
Start	579	End	760
GI	none	Score	.68
Exons	579..760		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36560	Strand	+
Start	7194	End	7897
Name	OJ991206_16.0112.C12.o2.gs	Method	GENSCAN
Start	7194	End	7897
GI	none	Score	.44
Exons	7194..7499, 7550..7897		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36561	Strand	+
Start	11684	End	16135
Name	OJ991206_16.0112.C12.o4.gs	Method	GENSCAN
Start	11684	End	16135
GI	none	Score	.63
Exons	11684..11755, 13515..13979, 15092..15520, 15589..15706, 15801..16135		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36562	Strand	+
Start	16634	End	18019
Name	OJ991206_16.0112.C12.o5.gs	Method	GENSCAN
Start	16634	End	18019
GI	none	Score	1
Exons	16634..18019		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36563	Strand	+
Start	21236	End	25359
Name	OJ991206_16.0112.C12.o2.gp	Method	AAT/GAP
Start	21140	End	24674
GI	253_3.R1084	Score	2568
Exons	21140..21440, 22223..22309, 22960..23220, 23293..23367, 23454..23534, 23623..23817, 23934..24023, 24137..24312, 24406..24528, 24640..24674		
GI Descrip.	'3540199 6.0e-30 (AC004260) Putative monosaccharide transport protein [Arabidopsis thaliana]'		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36563	Strand	+
Start	21236	End	25359
Name	OJ991206_16.0112.C12.o4.np	Method	AAT/NAP
Start	21236	End	25211
GI	3023751	Score	2193
Exons	21236..21440, 22223..22309, 22960..23220, 23293..23367,		

23454..23534, 23623..23817, 23934..24023, 24137..24312, 24406..24528, 24640..24786, 24868..24995, 25088..25211

GI Descrip. 70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36563	Strand	+
Start	21236	End	25359
Name	OJ991206_16.0112.C12.o6.gs	Method	GENSCAN
Start	21236	End	25359
GI	none	Score	.84
Exons	21236..21440, 22223..22309, 22960..23220, 23454..23534, 23623..23817, 23934..24023, 24137..24312, 24406..24528, 24640..24842, 25088..25205, 25303..25359		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36564	Strand	+
Start	25309	End	25505
Name	OJ991206_16.0112.C12.o3.gp	Method	AAT/GAP
Start	25309	End	25505
GI	uC-osroM202026f01b1	Score	374
Exons	25309..25505		

GI Descrip. '2058499/gb|U76030|OSU76030 1.0e-65 Oryza sativa hemoglobin 1 mRNA, complete cds'

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36565	Strand	-
Start	872	End	5970
Name	OJ991206_16.0112.C12.o1.gs	Method	GENSCAN
Start	872	End	5970
GI	none	Score	.93
Exons	872..1117, 1980..2268, 2777..2877, 3469..3719, 4683..4706, 5634..5970		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36565	Strand	-
Start	872	End	5970
Name	OJ991206_16.0112.C12.o1.np	Method	AAT/NAP
Start	878	End	1105
GI	289160	Score	102
Exons	878..1105		

GI Descrip. (L03795) jacalin [Artocarpus integrifolia]

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36565	Strand	-
Start	872	End	5970
Name	OJ991206_16.0112.C12.o1.gp	Method	AAT/GAP
Start	3187	End	5830
GI	18792_1.R1084	Score	1330
Exons	3187..3719, 5634..5830		

GI Descrip. '1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12

Gene No.	36565	Strand	-
Start	872	End	5970
Name	OJ991206_16.0112.C12.o2.np	Method	AAT/NAP
Start	3403	End	5943
GI	623584	Score	831
Exons	3403..3719, 5634..5943		
GI Descrip.	(L29272) putative [Nicotiana tabacum]		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36566	Strand	-
Start	9561	End	10529
Name	OJ991206_16.0112.C12.o3.gs	Method	GENSCAN
Start	9561	End	10529
GI	none	Score	.91
Exons	9561..9791, 10234..10322, 10445..10529		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o4.tm	Method	TBLASTX:Maize
Start	3398	End	3728
GI	none	Score	288
Exons	3398..3661, 3406..3720, 3421..3717, 3657..3728		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o2.tc	Method	TBLASTX:Cress
Start	3424	End	5938
GI	none	Score	169
Exons	3424..3717, 3466..3717, 5641..5937, 5651..5938		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o3.ts	Method	TBLASTX:Soybean
Start	3427	End	5938
GI	none	Score	152
Exons	3427..3717, 3463..3717, 5641..5937, 5651..5938		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o3.tm	Method	TBLASTX:Maize
Start	5641	End	5934
GI	none	Score	335
Exons	5641..5904, 5651..5905, 5770..5913, 5890..5934, 5908..5934		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o3.tw	Method	TBLASTX:Wheat
Start	5647	End	7610
GI	none	Score	209
Exons	5647..5937, 5651..5932, 7512..7610		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12

Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o4.tc	Method	TBLASTX:Cress
Start	7299	End	7768
GI	none	Score	133
Exons	7299..7505, 7550..7642, 7649..7768		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o5.tm	Method	TBLASTX:Maize
Start	7377	End	7774
GI	none	Score	105
Exons	7377..7469, 7377..7460, 7472..7534, 7513..7641, 7514..7645, 7529..7645, 7623..7661, 7664..7774, 7681..7773		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o5.tc	Method	TBLASTX:Cress
Start	9513	End	9684
GI	none	Score	83
Exons	9513..9683, 9571..9684		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o5.ts	Method	TBLASTX:Soybean
Start	9552	End	9684
GI	none	Score	94
Exons	9552..9683, 9571..9684		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o2.ts	Method	TBLASTX:Soybean
Start	15143	End	15987
GI	none	Score	1042
Exons	15143..15358, 15164..15982, 15208..15987		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o1.tw	Method	TBLASTX:Wheat
Start	15164	End	15570
GI	none	Score	531
Exons	15164..15568, 15206..15361, 15208..15570		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o2.tm	Method	TBLASTX:Maize
Start	15164	End	15868
GI	none	Score	72
Exons	15164..15244, 15206..15868, 15238..15867		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12

Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o3.tc	Method	TBLASTX:Cress
Start	15533	End	15786
GI	none	Score	304
Exons	15533..15739, 15535..15786		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o7.tm	Method	TBLASTX:Maize
Start	17021	End	17965
GI	none	Score	189
Exons	17021..17530, 17060..17641, 17132..17836, 17492..17965		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o4.ts	Method	TBLASTX:Soybean
Start	17051	End	17986
GI	none	Score	186
Exons	17051..17521, 17084..17269, 17084..17626, 17186..17947, 17387..17986, 17444..17839, 17504..17671		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o6.tc	Method	TBLASTX:Cress
Start	17084	End	17965
GI	none	Score	135
Exons	17084..17512, 17132..17662, 17471..17965, 17555..17962		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o1.tm	Method	TBLASTX:Maize
Start	21233	End	25187
GI	none	Score	53
Exons	21233..21262, 21233..21277, 21329..21439, 21371..21436, 21409..21438, 22215..22310, 22216..22317, 22958..23161, 22959..23216, 22959..23219, 22962..23063, 22964..23050, 22989..23066, 23055..23204, 23151..23216, 23288..23368, 23289..23369, 23292..23372, 23452..23535, 23453..23533, 23458..23535, 23459..23542, 23466..23537, 23477..23533, 23480..23533, 23620..23775, 23624..23812, 23625..23816, 23648..23812, 23649..23801, 23931..23987, 23932..23985, 23933..23992, 23933..23992, 23990..24022, 23993..24022, 24105..24314, 24112..24312, 24112..24240, 24135..24314, 24259..24315, 24388..24528, 24405..24569, 24414..24530, 24637..24789, 24638..24790, 24638..24787, 24856..25002, 24866..24994, 25086..25187, 25087..25182		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o1.tc	Method	TBLASTX:Cress
Start	21335	End	25220

GI	none	Score	43
Exons	21335..21361, 21365..21439, 22215..22310, 22216..22317, 22932..23216, 22957..23223, 22958..23161, 22962..23063, 22989..23066, 23055..23204, 23151..23216, 23276..23368, 23289..23375, 23452..23535, 23453..23533, 23483..23524, 23620..23772, 23624..23812, 23625..23816, 23652..23801, 23932..23982, 23933..23998, 24105..24293, 24112..24312, 24112..24240, 24133..24294, 24403..24528, 24405..24527, 24412..24528, 24637..24789, 24638..24787, 24856..25002, 24864..25001, 24889..25002, 25086..25220		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o1.ts	Method	TBLASTX:Soybean
Start	21338	End	25187
GI	none	Score	150
Exons	21338..21439, 21371..21436, 22216..22317, 22938..23216, 22958..23161, 22962..23063, 22962..23225, 22963..23217, 22989..23066, 22991..23065, 23052..23204, 23073..23204, 23148..23216, 23289..23375, 23291..23368, 23453..23533, 23461..23535, 23465..23542, 23477..23533, 23620..23748, 23624..23815, 23625..23816, 23652..23801, 23654..23812, 23929..23982, 23933..23998, 23987..24022, 24105..24326, 24105..24227, 24112..24240, 24136..24312, 24259..24315, 24403..24528, 24405..24527, 24414..24530, 24637..24789, 24695..24772, 24856..25002, 24867..25001, 25086..25187		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o2.tw	Method	TBLASTX:Wheat
Start	21380	End	24315
GI	none	Score	62
Exons	21380..21436, 23004..23219, 23006..23161, 23291..23368, 23292..23375, 23296..23373, 23452..23535, 23453..23533, 23460..23537, 23648..23812, 23655..23801, 24184..24240, 24256..24315		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o6.tm	Method	TBLASTX:Maize
Start	25850	End	26581
GI	none	Score	159
Exons	25850..25957, 25854..25958, 25978..26010, 25997..26056, 25998..26087, 26046..26132, 26096..26140, 26480..26581		

Seq. No.	17397	Seq. ID	OJ991206_16.0112.C12
Gene No.	36567	Strand	-
Start	25856	End	29070
Name	OJ991206_16.0112.C12.o7.gs	Method	GENSCAN
Start	25856	End	29070
GI	none	Score	.94
Exons	25856..27717, 28141..29070		

Seq. No.	17398	Seq. ID	OJ991206_16.0112.C13

Gene No.	36568	Strand	-
Start	277	End	389
Name	OJ991206_16.0112.C13.o1.gs	Method	GENSCAN
Start	277	End	389
GI	none	Score	.91
Exons	277..389		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36569	Strand	-
Start	39	End	845
Name	OJ991206_16.0112.C15.o1.gp	Method	AAT/GAP
Start	39	End	845
GI	none	Score	988
Exons	39..72, 103..467, 561..654, 752..845		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36570	Strand	-
Start	1057	End	1826
Name	OJ991206_16.0112.C15.o1.tm	Method	TBLASTX:Maize
Start	935	End	1758
GI	none	Score	55
Exons	935..970, 936..971, 1056..1121, 1060..1131, 1201..1299, 1212..1301, 1230..1301, 1419..1484, 1419..1487, 1420..1488, 1420..1488, 1539..1679, 1588..1683, 1592..1681, 1593..1703, 1720..1758, 1721..1753		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36570	Strand	-
Start	1057	End	1826
Name	OJ991206_16.0112.C15.o1.ts	Method	TBLASTX:Soybean
Start	1026	End	1683
GI	none	Score	71
Exons	1026..1121, 1212..1301, 1216..1299, 1419..1487, 1420..1488, 1588..1683, 1592..1675		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36570	Strand	-
Start	1057	End	1826
Name	OJ991206_16.0112.C15.o1.tw	Method	TBLASTX:Wheat
Start	1056	End	1681
GI	none	Score	77
Exons	1056..1121, 1201..1299, 1206..1301, 1419..1487, 1420..1488, 1588..1665, 1592..1681		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36570	Strand	-
Start	1057	End	1826
Name	OJ991206_16.0112.C15.o1.np	Method	AAT/NAP
Start	1057	End	1826
GI	6041855	Score	278
Exons	1057..1130, 1230..1298, 1422..1487, 1594..1703, 1794..1826		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	17399	Seq. ID	OJ991206_16.0112.C15
Gene No.	36570	Strand	-
Start	1057	End	1826
Name	OJ991206_16.0112.C15.o1.tc	Method	TBLASTX:Cress

Start	1059	End	1665
GI	none	Score	66
Exons	1059..1121, 1060..1131, 1212..1301, 1216..1299, 1230..1301, 1419..1487, 1420..1488, 1588..1665, 1592..1645		

Seq. No.	17400	Seq. ID	OJ991206_16.0112.C16
Gene No.	36571	Strand	-
Start	55	End	257
Name	OJ991206_16.0112.C16.o1.gs	Method	GENSCAN
Start	55	End	257
GI	none	Score	.9
Exons	55..257		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36572	Strand	+
Start	240	End	5686
Name	OJ991206_16.0112.C17.o1.gs	Method	GENSCAN
Start	240	End	5686
GI	none	Score	.57
Exons	240..662, 1189..1243, 1580..1632, 2246..2281, 2706..2899, 4173..4245, 5441..5686		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36573	Strand	+
Start	11703	End	12350
Name	OJ991206_16.0112.C17.o2.gp	Method	AAT/GAP
Start	11703	End	12350
GI	5607582	Score	782
Exons	11703..12056, 12275..12350		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36574	Strand	+
Start	14709	End	15709
Name	OJ991206_16.0112.C17.o4.gs	Method	GENSCAN
Start	14709	End	15709
GI	none	Score	.8
Exons	14709..14753, 15542..15709		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36575	Strand	-
Start	6658	End	10188
Name	OJ991206_16.0112.C17.o1.gp	Method	AAT/GAP
Start	6493	End	8411
GI	927_3.R1084	Score	1144
Exons	6493..6787, 6910..7091, 8157..8248, 8375..8411		
GI Descrip.	'5816996/emb|CAB53651.1| 8.0e-56 (AL110123) ribosomal protein L32-like protein [Arabidopsis thaliana]'		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36575	Strand	-
Start	6658	End	10188
Name	OJ991206_16.0112.C17.o2.gs	Method	GENSCAN
Start	6658	End	10188
GI	none	Score	.89
Exons	6658..6787, 6910..7091, 8157..8281, 8375..8519, 8741..8885, 9066..9145, 10102..10188		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36575	Strand	-
Start	6658	End	10188
Name	OJ991206_16.0112.C17.o1.np	Method	AAT/NAP
Start	6661	End	8246
GI	5816996	Score	535
Exons	6661..6787, 6910..7091, 8157..8246		
GI Descrip.	(AL110123) ribosomal protein L32-like protein [Arabidopsis thaliana]		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o1.tm	Method	TBLASTX:Maize
Start	6646	End	8250
GI	none	Score	114
Exons	6646..6792, 6650..6790, 6650..6793, 6651..6791, 6673..6792, 6908..7093, 6909..7130, 7011..7118, 8157..8249, 8158..8250		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o1.tc	Method	TBLASTX:Cress
Start	6658	End	8253
GI	none	Score	110
Exons	6658..6792, 6660..6791, 6673..6792, 6909..7097, 6909..7103, 6910..7098, 8173..8253		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o1.ts	Method	TBLASTX:Soybean
Start	6658	End	8247
GI	none	Score	74
Exons	6658..6792, 6660..6791, 6904..7092, 6905..7093, 6905..7096, 6909..7103, 6910..7104, 8173..8247		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o1.tw	Method	TBLASTX:Wheat
Start	6688	End	8252
GI	none	Score	157
Exons	6688..6792, 6690..6791, 6908..7093, 6908..6949, 6909..7130, 7014..7097, 8152..8250, 8157..8252		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o3.gs	Method	GENSCAN
Start	11921	End	12712
GI	none	Score	.81
Exons	11921..12712		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792

Name	OJ991206_16.0112.C17.o2.np	Method	AAT/NAP
Start	11948	End	12712
GI	6041839	Score	388
Exons	11948..12712		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana]		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o2.tc	Method	TBLASTX:Cress
Start	12152	End	12595
GI	none	Score	80
Exons	12152..12331, 12153..12236, 12350..12397, 12366..12395, 12395..12466, 12408..12461, 12518..12595		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o2.tm	Method	TBLASTX:Maize
Start	12248	End	12623
GI	none	Score	108
Exons	12248..12304, 12287..12409, 12303..12410, 12395..12622, 12411..12623		

Seq. No.	17401	Seq. ID	OJ991206_16.0112.C17
Gene No.	36576	Strand	-
Start	11921	End	12792
Name	OJ991206_16.0112.C17.o3.gp	Method	AAT/GAP
Start	12547	End	12792
GI	none	Score	449
Exons	12547..12792		

Seq. No.	17402	Seq. ID	OJ991206_16.0112.C19
Gene No.	36577	Strand	+
Start	886	End	1269
Name	OJ991206_16.0112.C19.o1.gs	Method	GENSCAN
Start	886	End	1269
GI	none	Score	.52
Exons	886..1269		

Seq. No.	17403	Seq. ID	OJ991206_16.0112.C20
Gene No.	36578	Strand	-
Start	31	End	327
Name	OJ991206_16.0112.C20.o1.gs	Method	GENSCAN
Start	31	End	327
GI	none	Score	.87
Exons	31..327		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36579	Strand	+
Start	773	End	2035
Name	OJ991206_16.0112.C21.o1.gs	Method	GENSCAN
Start	773	End	2035
GI	none	Score	.45
Exons	773..924, 1960..2035		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21

Gene No.	36580	Strand	-
Start	3007	End	4864
Name	OJ991206_16.0112.C21.o2.gs	Method	GENSCAN
Start	3007	End	4864
GI	none	Score	.75
Exons	3007..3056, 3384..4706, 4789..4864		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36580	Strand	-
Start	3007	End	4864
Name	OJ991206_16.0112.C21.o1.np	Method	AAT/NAP
Start	3356	End	4753
GI	6041834	Score	1061
Exons	3356..4753		
GI Descrip.	(AC009853) putative glucan endo-1-3-beta-glucosidase [Arabidopsis thaliana]		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o2.ts	Method	TBLASTX:Soybean
Start	3379	End	3559
GI	none	Score	64
Exons	3379..3456, 3382..3558, 3383..3559		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o3.tm	Method	TBLASTX:Maize
Start	3379	End	3559
GI	none	Score	71
Exons	3379..3456, 3382..3558, 3383..3559		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o1.tc	Method	TBLASTX:Cress
Start	3385	End	4686
GI	none	Score	102
Exons	3385..3558, 3700..3849, 3704..3850, 3850..4068, 3911..4069, 4075..4377, 4085..4297, 4390..4473, 4519..4686		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o2.tm	Method	TBLASTX:Maize
Start	3697	End	3888
GI	none	Score	175
Exons	3697..3888, 3698..3856, 3753..3869		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o1.tw	Method	TBLASTX:Wheat
Start	3706	End	3906
GI	none	Score	72
Exons	3706..3906, 3707..3850		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o1.ts	Method	TBLASTX:Soybean
Start	3709	End	4692
GI	none	Score	43
Exons	3709..4065, 3719..3850, 3911..4066, 4087..4299, 4091..4279, 4387..4473, 4388..4438, 4516..4692		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o1.tm	Method	TBLASTX:Maize
Start	3940	End	4705
GI	none	Score	163
Exons	3940..4074, 3941..4075, 3943..4101, 4019..4075, 4084..4251, 4085..4252, 4264..4473, 4265..4453, 4519..4704, 4520..4705		

Seq. No.	17404	Seq. ID	OJ991206_16.0112.C21
Gene No.	36581	Strand	-
Start	5703	End	7468
Name	OJ991206_16.0112.C21.o3.gs	Method	GENSCAN
Start	5703	End	7468
GI	none	Score	.72
Exons	5703..6175, 6325..7468		

Seq. No.	17405	Seq. ID	OJ991206_16.0112.C22
Gene No.	36582	Strand	+
Start	2479	End	2764
Name	OJ991206_16.0112.C22.o2.np	Method	AAT/NAP
Start	2479	End	2764
GI	6815099	Score	97
Exons	2479..2764		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17405	Seq. ID	OJ991206_16.0112.C22
Gene No.	36583	Strand	-
Start	1	End	1526
Name	OJ991206_16.0112.C22.o1.np	Method	AAT/NAP
Start	1	End	1526
GI	6642637	Score	67
Exons	1..22, 1449..1526		
GI Descrip.	(AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	17405	Seq. ID	OJ991206_16.0112.C22
Gene No.	36584	Strand	-
Start	3271	End	3728
Name	OJ991206_16.0112.C22.o2.gs	Method	GENSCAN
Start	3271	End	3728
GI	none	Score	.63
Exons	3271..3728		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o1.tm	Method	TBLASTX:Maize

Start	2208	End	3029
GI	none	Score	38
Exons	2208..2255, 2301..2561, 2335..2580, 2449..2562, 2553..2966, 2569..2970, 2970..3029, 2971..3027		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o1.np	Method	AAT/NAP
Start	2274	End	3956
GI	5281036	Score	1253
Exons	2274..3404, 3795..3956		
GI Descrip.	(AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o1.ts	Method	TBLASTX:Soybean
Start	2283	End	3351
GI	none	Score	148
Exons	2283..2561, 2338..2562, 2553..2966, 2572..2970, 2916..3350, 2971..3351		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o1.tc	Method	TBLASTX:Cress
Start	2301	End	3161
GI	none	Score	114
Exons	2301..2504, 2338..2505, 2505..2582, 2506..2583, 2553..2963, 2569..2976, 2964..3161, 2965..3060		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o1.gp	Method	AAT/GAP
Start	2395	End	2979
GI	41448_1.R1084	Score	831
Exons	2395..2979		
GI Descrip.	'5281036/emb|CAB45972.1| 1.0e-39 (AL080318) nucleotide sugar epimerase-like protein [Arabidopsis thaliana]'		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o2.tm	Method	TBLASTX:Maize
Start	3081	End	3290
GI	none	Score	131
Exons	3081..3290, 3099..3284, 3142..3288		

Seq. No.	17406	Seq. ID	OJ991206_16.0112.C24
Gene No.	36585	Strand	-
Start	2274	End	3956
Name	OJ991206_16.0112.C24.o2.tc	Method	TBLASTX:Cress
Start	3165	End	3578
GI	none	Score	112

Exons	3165..3350, 3166..3351, 3483..3578		
Seq. No.	17407	Seq. ID	OJ991206_16.0112.C25
Gene No.	36586	Strand	-
Start	460	End	688
Name	OJ991206_16.0112.C25.o1.gs	Method	GENSCAN
Start	460	End	688
GI	none	Score	.55
Exons	460..688		
Seq. No.	17408	Seq. ID	OJ991206_16.0112.C26
Gene No.	36587	Strand	+
Start	869	End	1602
Name	OJ991206_16.0112.C26.o1.gs	Method	GENSCAN
Start	869	End	1602
GI	none	Score	.55
Exons	869..951, 1473..1602		
Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36588	Strand	+
Start	3876	End	9933
Name	OJ991206_16.0112.C27.o1.gp	Method	AAT/GAP
Start	3733	End	4377
GI	24884_1.R1084	Score	959
Exons	3733..4202, 4330..4377		
GI Descrip.	'3292814/emb|CAA19804.1| 7.0e-17 (AL031018) putative protein [Arabidopsis thaliana]'		
Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36588	Strand	+
Start	3876	End	9933
Name	OJ991206_16.0112.C27.o1.np	Method	AAT/NAP
Start	3876	End	9933
GI	4586101	Score	484
Exons	3876..4058, 4111..4202, 4330..4426, 5194..5298, 5680..5785, 7091..7190, 7379..7430, 9889..9933		
GI Descrip.	(AL049638) putative protein [Arabidopsis thaliana]		
Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36588	Strand	+
Start	3876	End	9933
Name	OJ991206_16.0112.C27.o3.gs	Method	GENSCAN
Start	3876	End	4367
GI	none	Score	.77
Exons	3876..4367		
Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36589	Strand	-
Start	325	End	685
Name	OJ991206_16.0112.C27.o1.gs	Method	GENSCAN
Start	325	End	685
GI	none	Score	.93
Exons	325..685		
Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36590	Strand	-
Start	6648	End	7430

Name	OJ991206_16.0112.C27.o1.tc	Method	TBLASTX:Cress
Start	4110	End	7430
GI	none	Score	140
Exons	4110..4145, 4116..4205, 4127..4201, 4273..4428, 4321..4449, 4358..4444, 5191..5298, 5199..5297, 5672..5752, 5679..5753, 7096..7191, 7113..7190, 7362..7430		

Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36590	Strand	-
Start	6648	End	7430
Name	OJ991206_16.0112.C27.o1.ts	Method	TBLASTX:Soybean
Start	4116	End	7191
GI	none	Score	130
Exons	4116..4205, 4127..4204, 4321..4449, 4324..4449, 4336..4419, 4358..4450, 5190..5273, 5199..5297, 5651..5752, 5679..5753, 7111..7191, 7111..7170, 7113..7175		

Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36590	Strand	-
Start	6648	End	7430
Name	OJ991206_16.0112.C27.o1.tm	Method	TBLASTX:Maize
Start	4119	End	7429
GI	none	Score	135
Exons	4119..4205, 4127..4207, 4321..4431, 4324..4425, 4328..4426, 5198..5257, 5199..5294, 5200..5292, 5672..5752, 5673..5753, 5673..5753, 7111..7191, 7111..7188, 7113..7193, 7113..7205, 7379..7429		

Seq. No.	17409	Seq. ID	OJ991206_16.0112.C27
Gene No.	36590	Strand	-
Start	6648	End	7430
Name	OJ991206_16.0112.C27.o4.gs	Method	GENSCAN
Start	6648	End	6875
GI	none	Score	.98
Exons	6648..6875		

Seq. No.	17410	Seq. ID	OJ991206_16.0112.C28
Gene No.	36591	Strand	-
Start	107	End	206
Name	OJ991206_16.0112.C28.o1.gs	Method	GENSCAN
Start	107	End	206
GI	none	Score	.66
Exons	107..206		

Seq. No.	17411	Seq. ID	OJ991216_11.0113.C1
Gene No.	36592	Strand	+
Start	86	End	1040
Name	OJ991216_11.0113.C1.o1.gs	Method	GENSCAN
Start	86	End	1040
GI	none	Score	.7
Exons	86..134, 967..1040		

Seq. No.	17412	Seq. ID	OJ991216_11.0113.C2
Gene No.	36593	Strand	+
Start	1047	End	1334
Name	OJ991216_11.0113.C2.o1.gs	Method	GENSCAN
Start	1047	End	1334

GI	none	Score	.59
Exons	1047..1334		

Seq. No.	17412	Seq. ID	OJ991216_11.0113.C2
Gene No.	36594	Strand	-
Start	1497	End	1886
Name	OJ991216_11.0113.C2.o2.gs	Method	GENSCAN
Start	1497	End	1886
GI	none	Score	.91
Exons	1497..1522, 1787..1886		

Seq. No.	17413	Seq. ID	OJ991216_11.0113.C3
Gene No.	36595	Strand	-
Start	338	End	1476
Name	OJ991216_11.0113.C3.o1.gs	Method	GENSCAN
Start	338	End	1476
GI	none	Score	.61
Exons	338..484, 586..696, 1468..1476		

Seq. No.	17413	Seq. ID	OJ991216_11.0113.C3
Gene No.	36596	Strand	-
Start	1878	End	2210
Name	OJ991216_11.0113.C3.o2.gs	Method	GENSCAN
Start	1878	End	2210
GI	none	Score	.62
Exons	1878..2210		

Seq. No.	17414	Seq. ID	OJ991216_11.0113.C4
Gene No.	36597	Strand	+
Start	1327	End	2786
Name	OJ991216_11.0113.C4.o1.gp	Method	AAT/GAP
Start	1327	End	1888
GI	28929_1.R1084	Score	809
Exons	1327..1646, 1771..1888		
GI Descrip.	'2499931/sp|Q42563|APT2_ARATH 4.0e-33 ADENINE PHOSPHORIBOSYLTRANSFERASE 2 (APRT) >gi_2129534_pir__S71272 adenine phosphoribosyltransferase (EC 2.4.2.7) - Arabidopsis thaliana >gi_1321681_emb_CAA65609_ (X96866) adenine phosphoribosyltransferase [Arabidopsis thaliana] >gi_5902383_gb_AAD55485.1_AC009322_25 (AC009322) adenine phosphoribosyltransferase [Arabidopsis thaliana]'		

Seq. No.	17414	Seq. ID	OJ991216_11.0113.C4
Gene No.	36597	Strand	+
Start	1327	End	2786
Name	OJ991216_11.0113.C4.o1.gs	Method	GENSCAN
Start	1336	End	2657
GI	none	Score	.59
Exons	1336..1646, 1771..1881, 2400..2657		

Seq. No.	17414	Seq. ID	OJ991216_11.0113.C4
Gene No.	36597	Strand	+
Start	1327	End	2786
Name	OJ991216_11.0113.C4.o1.np	Method	AAT/NAP
Start	1556	End	2786
GI	2499931	Score	170
Exons	1556..1646, 1771..1881, 2599..2786		

GI Descrip.	ADENINE PHOSPHORIBOSYLTRANSFERASE 2 (APRT) gi|2129534|pir||S71272 adenine phosphoribosyltransferase (EC 2.4.2.7) - Arabidopsis thaliana gi|1321681|emb|CAA65609| (X96866) adenine phosphoribosyltransferase [Arabidopsis thaliana] gi|5902383|gb|AAD55485.1|AC009322_25 (AC009322) adenine phosphoribosyltransferase [Arabidopsis thaliana]		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36598	Strand	+
Start	486	End	2267
Name	OJ991216_11.0113.C5.o1.np	Method	AAT/NAP
Start	486	End	2267
GI	3776082	Score	371
Exons	486..635, 1058..1207, 2056..2114, 2211..2267		
GI Descrip.	(Y18250) MtN30 [Medicago truncatula]		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36598	Strand	+
Start	486	End	2267
Name	OJ991216_11.0113.C5.o1.gp	Method	AAT/GAP
Start	541	End	629
GI	28929_1.R1084	Score	146
Exons	541..629		
GI Descrip.	'2499931/sp|Q42563|APT2_ARATH 4.0e-33 ADENINE PHOSPHORIBOSYLTRANSFERASE 2 (APRT) >gi_2129534_pir__S71272 adenine phosphoribosyltransferase (EC 2.4.2.7) - Arabidopsis thaliana >gi_1321681_emb_CAA65609_ (X96866) adenine phosphoribosyltransferase [Arabidopsis thaliana] >gi_5902383_gb_AAD55485.1_AC009322_25 (AC009322) adenine phosphoribosyltransferase [Arabidopsis thaliana]'		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36599	Strand	+
Start	14712	End	18583
Name	OJ991216_11.0113.C5.o4.gs	Method	GENSCAN
Start	14712	End	18583
GI	none	Score	.72
Exons	14712..14953, 15034..15647, 16286..16368, 17052..17139, 17844..18583		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36599	Strand	+
Start	14712	End	18583
Name	OJ991216_11.0113.C5.o2.np	Method	AAT/NAP
Start	14778	End	18150
GI	4836931	Score	739
Exons	14778..14940, 15160..15232, 15454..15657, 16286..16368, 16686..16774, 16894..16967, 17089..17139, 17283..17359, 17844..18150		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36600	Strand	+
Start	18871	End	22220
Name	OJ991216_11.0113.C5.o3.np	Method	AAT/NAP
Start	18871	End	22220
GI	3763927	Score	720

Exons	18871..18920, 20315..20458, 20945..21165, 21437..21688, 21781..21903, 22171..22220		
GI Descrip.	(AC004450) putative carboxyphosphonoenolpyruvate mutase [Arabidopsis thaliana]		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36600	Strand	+
Start	18871	End	22220
Name	OJ991216_11.0113.C5.o5.gp	Method	AAT/GAP
Start	20087	End	21088
GI	uC-osflm202109g04b1	Score	970
Exons	20087..20458, 20930..21088		
GI Descrip.	'3763927 9.0e-28 (AC004450) putative carboxyphosphoenolpyruvate mutase [Arabidopsis thaliana]'		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36600	Strand	+
Start	18871	End	22220
Name	OJ991216_11.0113.C5.o5.gs	Method	GENSCAN
Start	20098	End	21962
GI	none	Score	.99
Exons	20098..20458, 20930..21141, 21781..21903, 21954..21962		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36601	Strand	-
Start	6985	End	7955
Name	OJ991216_11.0113.C5.o3.gp	Method	AAT/GAP
Start	6985	End	7592
GI	none	Score	926
Exons	6985..7361, 7452..7592		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36601	Strand	-
Start	6985	End	7955
Name	OJ991216_11.0113.C5.o2.gs	Method	GENSCAN
Start	7254	End	7904
GI	none	Score	.62
Exons	7254..7904		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36601	Strand	-
Start	6985	End	7955
Name	OJ991216_11.0113.C5.o4.gp	Method	AAT/GAP
Start	7675	End	7955
GI	2442570	Score	518
Exons	7675..7955		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36602	Strand	-
Start	10559	End	12207
Name	OJ991216_11.0113.C5.o3.ts	Method	TBLASTX:Soybean
Start	517	End	2255
GI	none	Score	167
Exons	517..636, 518..658, 1047..1196, 1051..1206, 2055..2105, 2220..2255		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5

Gene No.	36602	Strand	-
Start	10559	End	12207
Name	OJ991216_11.0113.C5.o2.tc	Method	TBLASTX:Cress
Start	527	End	2114
GI	none	Score	159
Exons	527..643, 538..636, 1026..1202, 1051..1206, 2031..2114		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36602	Strand	-
Start	10559	End	12207
Name	OJ991216_11.0113.C5.o3.tm	Method	TBLASTX:Maize
Start	527	End	2258
GI	none	Score	164
Exons	527..643, 538..642, 1047..1202, 1051..1206, 2055..2132, 2220..2258		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36602	Strand	-
Start	10559	End	12207
Name	OJ991216_11.0113.C5.o2.tw	Method	TBLASTX:Wheat
Start	545	End	2271
GI	none	Score	163
Exons	545..643, 545..637, 547..642, 1044..1205, 1051..1206, 2031..2114, 2042..2122, 2054..2116, 2208..2258, 2209..2271, 2213..2266		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36602	Strand	-
Start	10559	End	12207
Name	OJ991216_11.0113.C5.o3.gs	Method	GENSCAN
Start	10559	End	12207
GI	none	Score	.53
Exons	10559..11030, 11113..11445, 11903..12207		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36603	Strand	
Start	15599	End	17962
Name	OJ991216_11.0113.C5.o2.ts	Method	TBLASTX:Soybean
Start	15599	End	17962
GI	none	Score	96
Exons	15599..15658, 16284..16367, 16286..16324, 16287..16367, 16288..16368, 16673..16771, 16673..16747, 16676..16777, 16894..16968, 16898..16972, 17086..17139, 17087..17140, 17280..17363, 17281..17361, 17846..17962, 17870..17938, 17887..17961		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36603	Strand	
Start	15599	End	17962
Name	OJ991216_11.0113.C5.o2.tm	Method	TBLASTX:Maize
Start	16655	End	17358
GI	none	Score	126
Exons	16655..16786, 16897..16968, 17086..17139, 17087..17140, 17277..17354, 17281..17358		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36603	Strand	

Start	15599	End	17962
Name	OJ991216_11.0113.C5.o1.tc	Method	TBLASTX:Cress
Start	16676	End	17363
GI	none	Score	141
Exons	16676..16777, 16894..16968, 17086..17139, 17087..17140, 17280..17363, 17281..17361		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36604	Strand	
Start	20350	End	21914
Name	OJ991216_11.0113.C5.o1.tm	Method	TBLASTX:Maize
Start	20350	End	21903
GI	none	Score	145
Exons	20350..20466, 20352..20438, 20921..21088, 20928..21143, 20928..21143, 20929..21144, 20929..21150, 21404..21688, 21405..21689, 21406..21687, 21418..21690, 21780..21899, 21781..21903, 21784..21903		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36604	Strand	
Start	20350	End	21914
Name	OJ991216_11.0113.C5.o1.ts	Method	TBLASTX:Soybean
Start	20350	End	21903
GI	none	Score	92
Exons	20350..20415, 20419..20460, 20914..21144, 20928..21140, 21404..21688, 21404..21661, 21412..21681, 21780..21899, 21781..21903, 21784..21903		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36604	Strand	
Start	20350	End	21914
Name	OJ991216_11.0113.C5.o1.tw	Method	TBLASTX:Wheat
Start	20350	End	21144
GI	none	Score	153
Exons	20350..20466, 20352..20480, 20921..21088, 20928..21143, 20928..21143, 20929..21144		

Seq. No.	17415	Seq. ID	OJ991216_11.0113.C5
Gene No.	36604	Strand	
Start	20350	End	21914
Name	OJ991216_11.0113.C5.o3.tc	Method	TBLASTX:Cress
Start	21629	End	21914
GI	none	Score	73
Exons	21629..21688, 21637..21693, 21780..21914, 21781..21903		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36605	Strand	+
Start	1	End	1133
Name	OJ991216_11.0113.C6.o1.np	Method	AAT/NAP
Start	1	End	880
GI	3763927	Score	164
Exons	1..43, 142..306, 338..644, 781..880		
GI Descrip.	(AC004450) putative carboxyphosphonoenolpyruvate mutase [Arabidopsis thaliana]		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36605	Strand	+

Start	1	End	1133
Name	OJ991216_11.0113.C6.o1.gs	Method	GENSCAN
Start	158	End	1077
GI	none	Score	.95
Exons	158..317, 947..1077		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36605	Strand	+
Start	1	End	1133
Name	OJ991216_11.0113.C6.o1.gp	Method	AAT/GAP
Start	820	End	1133
GI	2796416	Score	386
Exons	820..865, 947..1133		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36606	Strand	-
Start	1600	End	3079
Name	OJ991216_11.0113.C6.o2.gs	Method	GENSCAN
Start	1600	End	3079
GI	none	Score	.6
Exons	1600..2559, 2630..2692, 3020..3079		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o2.ts	Method	TBLASTX:Soybean
Start	157	End	331
GI	none	Score	72
Exons	157..279, 163..276, 164..331		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o2.tm	Method	TBLASTX:Maize
Start	158	End	1080
GI	none	Score	217
Exons	158..298, 158..298, 162..320, 163..306, 312..341, 402..617, 406..618, 423..620, 464..619, 825..866, 829..870, 829..870, 938..1078, 946..1080, 949..1077		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o2.gp	Method	AAT/GAP
Start	4710	End	8353
GI	1243_1.R1084	Score	2775
Exons	4710..5246, 5642..5842, 6233..6409, 6937..7071, 7783..7872, 7944..8021, 8104..8353		
GI Descrip.	'1737492 1.0e-118 (U81318) poly(A)-binding protein [Triticum aestivum]'		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o1.tm	Method	TBLASTX:Maize
Start	4800	End	10700
GI	none	Score	48

Exons	4800..4847, 4801..4845, 4901..4927, 4902..4928, 4930..4965, 4991..5080, 4998..5246, 4999..5247, 5001..5246, 5024..5248, 5171..5269, 5639..5701, 5639..5701, 5643..5720, 5643..5717, 5699..5863, 5700..5747, 5704..5844, 5714..5860, 5790..5870, 6229..6270, 6234..6272, 6267..6410, 6285..6410, 6310..6417, 6329..6418, 6937..6984, 6941..6982, 6991..7047, 6992..7048, 7047..7073, 7048..7080, 7775..7870, 7783..7872, 7784..7870, 7798..7872, 7932..8012, 7937..8023, 7938..8024, 7940..8017, 7944..8024, 8056..8229, 8094..8756, 8096..8755, 8098..8775, 8099..8776, 8230..8544, 8257..8535, 8530..8775, 8534..8725, 8856..8987, 8866..8946, 8868..8987, 10548..10700, 10549..10698		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o1.ts	Method	TBLASTX:Soybean
Start	4989	End	10701
GI	none	Score	193
Exons	4989..5051, 5062..5247, 5067..5246, 5639..5863, 5643..5744, 5648..5860, 5650..5871, 6288..6407, 6335..6412, 6338..6406, 6937..7005, 6938..7006, 6940..7071, 6980..7072, 7775..7867, 7783..7872, 7784..7867, 7786..7872, 7801..7869, 7932..8024, 7938..8024, 7941..8024, 7941..8021, 7943..8032, 7951..8049, 8098..8775, 8099..8761, 8230..8544, 8242..8535, 8290..8799, 8299..8391, 8533..8775, 8570..8761, 8856..8981, 8862..8972, 10509..10700, 10555..10701		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o2.tw	Method	TBLASTX:Wheat
Start	4990	End	5699
GI	none	Score	298
Exons	4990..5070, 4992..5246, 4992..5246, 4993..5247, 5045..5248, 5171..5248, 5539..5619, 5639..5698, 5639..5698, 5643..5699		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o3.gs	Method	GENSCAN
Start	5001	End	10628
GI	none	Score	.79
Exons	5001..5246, 5642..5842, 6233..6409, 6937..7071, 7783..7872, 7944..8021, 8104..8760, 8862..8980, 10547..10628		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o2.np	Method	AAT/NAP
Start	5001	End	10702
GI	1737492	Score	1904
Exons	5001..5246, 5642..5842, 6233..6409, 6937..7071, 7783..7872, 7944..8021, 8104..8760, 8862..8980, 10547..10702		
GI Descrip.	(U81318) poly(A)-binding protein [Triticum aestivum]		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-

Start	5001	End	10702
Name	OJ991216_11.0113.C6.o1.tc	Method	TBLASTX:Cress
Start	5073	End	10700
GI	none	Score	175
Exons	5073..5246, 5074..5247, 5639..5704, 5810..5845, 6261..6413, 6338..6409, 6363..6410, 6937..6990, 6940..7071, 7783..7872, 7784..7858, 7932..8024, 7932..8012, 7932..8021, 7954..8019, 8098..8217, 8098..8775, 8099..8761, 8230..8544, 8257..8535, 8290..8775, 8320..8391, 8533..8775, 8534..8725, 8560..8664, 8856..8981, 8862..8981, 10548..10700, 10549..10698		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o1.tw	Method	TBLASTX:Wheat
Start	7941	End	8764
GI	none	Score	294
Exons	7941..8021, 8098..8193, 8116..8511, 8117..8509, 8139..8510, 8290..8511, 8530..8760, 8558..8764		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o3.gp	Method	AAT/GAP
Start	8634	End	10702
GI	47991_1.R1084	Score	749
Exons	8634..8760, 8862..8980, 10547..10702		
GI Descrip.	'1737492 7.0e-53 (U81318) poly(A)-binding protein [Triticum aestivum]'		

Seq. No.	17416	Seq. ID	OJ991216_11.0113.C6
Gene No.	36607	Strand	-
Start	5001	End	10702
Name	OJ991216_11.0113.C6.o3.tw	Method	TBLASTX:Wheat
Start	8856	End	10685
GI	none	Score	87
Exons	8856..8981, 8862..8981, 8863..8991, 10509..10685, 10549..10677		

Seq. No.	17417	Seq. ID	OJ991216_11.0113.C9
Gene No.	36608	Strand	+
Start	1	End	1273
Name	OJ991216_11.0113.C9.o1.np	Method	AAT/NAP
Start	1	End	967
GI	5042155	Score	174
Exons	1..68, 200..283, 660..967		
GI Descrip.	(AL078620) putative protein [Arabidopsis thaliana]		

Seq. No.	17417	Seq. ID	OJ991216_11.0113.C9
Gene No.	36608	Strand	+
Start	1	End	1273
Name	OJ991216_11.0113.C9.o1.gs	Method	GENSCAN
Start	89	End	1273
GI	none	Score	.43
Exons	89..283, 527..579, 1118..1273		

Seq. No.	17417	Seq. ID	OJ991216_11.0113.C9
Gene No.	36608	Strand	+

Start	1	End	1273
Name	OJ991216_11.0113.C9.o1.tm	Method	TBLASTX:Maize
Start	200	End	901
GI	none	Score	103
Exons	200..295, 200..262, 717..797, 718..798, 718..783, 719..838, 802..897, 807..896, 848..901		

Seq. No.	17417	Seq. ID	OJ991216_11.0113.C9
Gene No.	36608	Strand	+
Start	1	End	1273
Name	OJ991216_11.0113.C9.o1.ts	Method	TBLASTX:Soybean
Start	200	End	904
GI	none	Score	81
Exons	200..295, 717..797, 719..838, 802..900, 839..904		

Seq. No.	17417	Seq. ID	OJ991216_11.0113.C9
Gene No.	36608	Strand	+
Start	1	End	1273
Name	OJ991216_11.0113.C9.o1.tc	Method	TBLASTX:Cress
Start	719	End	900
GI	none	Score	112
Exons	719..838, 720..797, 802..900, 807..893		

Seq. No.	17418	Seq. ID	OJ991216_11.0113.C10
Gene No.	36609	Strand	+
Start	881	End	1646
Name	OJ991216_11.0113.C10.o1.gs	Method	GENSCAN
Start	881	End	1646
GI	none	Score	.98
Exons	881..1213, 1443..1646		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36610	Strand	+
Start	259	End	3012
Name	OJ991216_11.0113.C11.o1.gs	Method	GENSCAN
Start	259	End	3012
GI	none	Score	.67
Exons	259..2039, 2144..2201, 2596..3012		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36610	Strand	+
Start	259	End	3012
Name	OJ991216_11.0113.C11.o1.gp	Method	AAT/GAP
Start	1644	End	2054
GI	none	Score	731
Exons	1644..2054		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36611	Strand	-
Start	3267	End	3410
Name	OJ991216_11.0113.C11.o2.tm	Method	TBLASTX:Maize
Start	508	End	1041
GI	none	Score	283
Exons	508..855, 642..836, 895..1041, 900..1019		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36611	Strand	-

Start	3267	End	3410
Name	OJ991216_11.0113.C11.o1.ts	Method	TBLASTX:Soybean
Start	544	End	819
GI	none	Score	238
Exons	544..819, 642..797		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36611	Strand	-
Start	3267	End	3410
Name	OJ991216_11.0113.C11.o1.tc	Method	TBLASTX:Cress
Start	571	End	831
GI	none	Score	247
Exons	571..831, 675..809		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36611	Strand	-
Start	3267	End	3410
Name	OJ991216_11.0113.C11.o1.tm	Method	TBLASTX:Maize
Start	1378	End	1747
GI	none	Score	354
Exons	1378..1449, 1381..1746, 1430..1747, 1443..1727		

Seq. No.	17419	Seq. ID	OJ991216_11.0113.C11
Gene No.	36611	Strand	-
Start	3267	End	3410
Name	OJ991216_11.0113.C11.o2.gs	Method	GENSCAN
Start	3267	End	3410
GI	none	Score	.49
Exons	3267..3410		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36612	Strand	+
Start	65	End	406
Name	OJ991216_11.0113.C12.o1.gs	Method	GENSCAN
Start	65	End	406
GI	none	Score	.44
Exons	65..406		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+
Start	701	End	7015
Name	OJ991216_11.0113.C12.o1.np	Method	AAT/NAP
Start	701	End	7015
GI	4584539	Score	525
Exons	701..734, 2916..3987, 6995..7015		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+
Start	701	End	7015
Name	OJ991216_11.0113.C12.o1.gp	Method	AAT/GAP
Start	2542	End	2939
GI	2431422	Score	724
Exons	2542..2939		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+

Start	701	End	7015
Name	OJ991216_11.0113.C12.o2.gs	Method	GENSCAN
Start	2690	End	4093
GI	none	Score	1
Exons	2690..4093		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+
Start	701	End	7015
Name	OJ991216_11.0113.C12.o2.gp	Method	AAT/GAP
Start	3071	End	3385
GI	3768531	Score	621
Exons	3071..3385		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+
Start	701	End	7015
Name	OJ991216_11.0113.C12.o3.gp	Method	AAT/GAP
Start	3417	End	3832
GI	uC-osflcyp143b11b1	Score	792
Exons	3417..3832		
GI Descrip.	'4584539/emb|CAB40769.1| 2.0e-25 (AL049608) extensin-like protein [Arabidopsis thaliana]'		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36613	Strand	+
Start	701	End	7015
Name	OJ991216_11.0113.C12.o4.gp	Method	AAT/GAP
Start	3823	End	4345
GI	none	Score	921
Exons	3823..4345		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o2.tc	Method	TBLASTX:Cress
Start	2924	End	3193
GI	none	Score	103
Exons	2924..3037, 3038..3073, 3064..3192, 3065..3193		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o1.ts	Method	TBLASTX:Soybean
Start	2975	End	3922
GI	none	Score	67
Exons	2975..3121, 3107..3268, 3254..3367, 3383..3523, 3391..3501, 3401..3481, 3518..3736, 3530..3643, 3641..3733, 3763..3894, 3764..3922		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o2.tm	Method	TBLASTX:Maize
Start	3124	End	3355
GI	none	Score	325
Exons	3124..3210, 3125..3355, 3268..3354		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o1.tw	Method	TBLASTX:Wheat
Start	3281	End	3619
GI	none	Score	69
Exons	3281..3367, 3319..3366, 3362..3508, 3388..3618, 3389..3619		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o1.tm	Method	TBLASTX:Maize
Start	3356	End	3922
GI	none	Score	418
Exons	3356..3739, 3388..3738, 3749..3922, 3751..3900		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o1.tc	Method	TBLASTX:Cress
Start	3433	End	3853
GI	none	Score	65
Exons	3433..3498, 3458..3517, 3463..3504, 3524..3718, 3527..3739, 3532..3765, 3758..3853		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o3.gs	Method	GENSCAN
Start	4945	End	6893
GI	none	Score	.43
Exons	4945..5033, 5565..5612, 6483..6513, 6774..6893		

Seq. No.	17420	Seq. ID	OJ991216_11.0113.C12
Gene No.	36614	Strand	-
Start	4945	End	6893
Name	OJ991216_11.0113.C12.o6.gp	Method	AAT/GAP
Start	5987	End	6286
GI	2799974	Score	459
Exons	5987..6286		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36615	Strand	+
Start	195	End	757
Name	OJ991216_11.0113.C13.o1.gs	Method	GENSCAN
Start	195	End	757
GI	none	Score	.57
Exons	195..222, 623..757		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36616	Strand	-
Start	2081	End	5753
Name	OJ991216_11.0113.C13.o2.gs	Method	GENSCAN
Start	2081	End	5753
GI	none	Score	.47
Exons	2081..2192, 2635..2781, 2908..2947, 3037..3103, 4301..4648,		

5257..5328, 5724..5753

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36617	Strand	-
Start	6367	End	6795
Name	OJ991216_11.0113.C13.o1.np	Method	AAT/NAP
Start	6367	End	6795
GI	6539570	Score	227
Exons	6367..6433, 6593..6795		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o2.np	Method	AAT/NAP
Start	6922	End	8266
GI	6630699	Score	74
Exons	6922..7007, 8246..8266		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o3.np	Method	AAT/NAP
Start	7046	End	10562
GI	6721512	Score	68
Exons	7046..7064, 8605..8744, 8773..8880, 10242..10282, 10498..10562		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o1.tc	Method	TBLASTX:Cress
Start	9644	End	10112
GI	none	Score	120
Exons	9644..9973, 9705..9962, 9968..10054, 10053..10112, 10061..10105		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o4.gs	Method	GENSCAN
Start	9677	End	10774
GI	none	Score	.54
Exons	9677..10774		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o4.np	Method	AAT/NAP
Start	9680	End	10837
GI	6522933	Score	1219
Exons	9680..10837		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13

Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o1.tm	Method	TBLASTX:Maize
Start	10128	End	10537
GI	none	Score	40
Exons	10128..10151, 10157..10321, 10158..10349, 10290..10379, 10304..10414, 10406..10534, 10448..10537		

Seq. No.	17421	Seq. ID	OJ991216_11.0113.C13
Gene No.	36618	Strand	-
Start	6922	End	10837
Name	OJ991216_11.0113.C13.o1.ts	Method	TBLASTX:Soybean
Start	10418	End	10660
GI	none	Score	99
Exons	10418..10543, 10566..10655, 10580..10660		

Seq. No.	17422	Seq. ID	OJ991216_11.0113.C14
Gene No.	36619	Strand	-
Start	1	End	1502
Name	OJ991216_11.0113.C14.o1.np	Method	AAT/NAP
Start	1	End	424
GI	6522933	Score	157
Exons	1..301, 332..424		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	17422	Seq. ID	OJ991216_11.0113.C14
Gene No.	36619	Strand	-
Start	1	End	1502
Name	OJ991216_11.0113.C14.o1.gs	Method	GENSCAN
Start	23	End	1502
GI	none	Score	.55
Exons	23..435, 763..824, 1297..1502		

Seq. No.	17422	Seq. ID	OJ991216_11.0113.C14
Gene No.	36620	Strand	-
Start	2433	End	2642
Name	OJ991216_11.0113.C14.o2.gs	Method	GENSCAN
Start	2433	End	2642
GI	none	Score	.93
Exons	2433..2642		

Seq. No.	17423	Seq. ID	OJ991216_11.0113.C15
Gene No.	36621	Strand	+
Start	37	End	586
Name	OJ991216_11.0113.C15.o1.gs	Method	GENSCAN
Start	37	End	586
GI	none	Score	.42
Exons	37..132, 160..423, 536..586		

Seq. No.	17423	Seq. ID	OJ991216_11.0113.C15
Gene No.	36622	Strand	-
Start	2946	End	4129
Name	OJ991216_11.0113.C15.o2.gs	Method	GENSCAN
Start	2946	End	4129
GI	none	Score	.65
Exons	2946..3055, 3964..4129		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36623	Strand	+
Start	225	End	416
Name	OJ991216_11.0113.C16.o1.gs	Method	GENSCAN
Start	225	End	416
GI	none	Score	.44
Exons	225..416		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36624	Strand	-
Start	1	End	199
Name	OJ991216_11.0113.C16.o1.gp	Method	AAT/GAP
Start	1	End	199
GI	none	Score	341
Exons	1..199		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o1.np	Method	AAT/NAP
Start	2029	End	4394
GI	6522929	Score	762
Exons	2029..2120, 3028..4394		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o4.tm	Method	TBLASTX:Maize
Start	2955	End	3232
GI	none	Score	257
Exons	2955..3020, 2959..3228, 2972..3232, 2975..3232		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o1.ts	Method	TBLASTX:Soybean
Start	3117	End	4389
GI	none	Score	265
Exons	3117..3560, 3197..3559, 3233..3457, 3538..3891, 3559..3873, 3560..3892, 3940..3981, 3996..4097, 4174..4389, 4197..4388		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o1.tm	Method	TBLASTX:Maize
Start	3233	End	3852
GI	none	Score	462
Exons	3233..3559, 3234..3560, 3236..3562, 3247..3561, 3287..3406, 3538..3789, 3538..3786, 3560..3799, 3734..3793, 3787..3843, 3787..3852, 3794..3850		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o1.tc	Method	TBLASTX:Cress
Start	3254	End	3675

GI	none	Score	229
Exons	3254..3559, 3258..3554, 3529..3675, 3538..3669, 3560..3670		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o2.gs	Method	GENSCAN
Start	3481	End	4325
GI	none	Score	.86
Exons	3481..4026, 4059..4325		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o3.tm	Method	TBLASTX:Maize
Start	3853	End	4103
GI	none	Score	64
Exons	3853..3987, 3854..3898, 3955..4020, 3985..4062, 3985..4056, 3996..4103, 4029..4079		

Seq. No.	17424	Seq. ID	OJ991216_11.0113.C16
Gene No.	36625	Strand	-
Start	3481	End	4394
Name	OJ991216_11.0113.C16.o2.tm	Method	TBLASTX:Maize
Start	4141	End	4383
GI	none	Score	253
Exons	4141..4383, 4158..4382		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o2.gs	Method	GENSCAN
Start	3020	End	8863
GI	none	Score	.66
Exons	3020..3111, 3885..3939, 4016..4200, 4369..4511, 4829..5614, 5616..6264, 7123..7260, 7315..7425, 7597..8863		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o3.tm	Method	TBLASTX:Maize
Start	4886	End	5391
GI	none	Score	152
Exons	4886..5164, 4999..5163, 5245..5391, 5260..5385		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o2.tc	Method	TBLASTX:Cress
Start	4999	End	5547
GI	none	Score	158
Exons	4999..5166, 5015..5167, 5215..5421, 5482..5547		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o2.ts	Method	TBLASTX:Soybean

Start	5000	End	5547
GI	none	Score	159
Exons	5000..5209, 5002..5208, 5251..5406, 5446..5547		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o2.tw	Method	TBLASTX:Wheat
Start	5000	End	5304
GI	none	Score	147
Exons	5000..5170, 5011..5169, 5251..5304		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o3.ts	Method	TBLASTX:Soybean
Start	5687	End	6182
GI	none	Score	63
Exons	5687..5839, 5843..5995, 5999..6151, 6081..6182		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.gp	Method	AAT/GAP
Start	5853	End	6281
GI	none	Score	698
Exons	5853..6281		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.np	Method	AAT/NAP
Start	7049	End	9408
GI	2924777	Score	1985
Exons	7049..7425, 7597..9408		
GI Descrip.	(AC002334) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.ts	Method	TBLASTX:Soybean
Start	7118	End	9104
GI	none	Score	38
Exons	7118..7207, 7124..7231, 7311..7427, 7334..7426, 7547..7645, 7655..7951, 7659..8108, 7664..8122, 8450..8620, 8450..8638, 8450..8533, 8493..8747, 8588..8746, 8591..9103, 8624..9103, 8633..9004, 8636..8908, 8639..9103, 8639..8980, 8642..9103, 8657..9052, 8657..8866, 8666..9076, 8741..9103, 8802..9104, 8814..8972, 8814..9047, 8922..9104, 8930..9034		

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o3.tc	Method	TBLASTX:Cress
Start	7124	End	9103
GI	none	Score	49

Exons 7124..7204, 7334..7426, 8000..8149, 8411..8518, 8447..8638, 8450..8632, 8450..8536, 8451..8555, 8451..8615, 8459..8638, 8460..8627, 8464..8559, 8465..8629, 8591..8638, 8591..8632, 8636..9088, 8636..8932, 8642..9103, 8642..9103, 8642..9076, 8642..9079, 8642..9082, 8657..8872, 8658..8696, 8720..9103, 8795..9103, 8814..9041

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.tm	Method	TBLASTX:Maize
Start	7352	End	8107
GI	none	Score	197

Exons 7352..7426, 7523..7657, 7658..8107, 7665..7979, 7817..7993, 8022..8096

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.tc	Method	TBLASTX:Cress
Start	7601	End	7969
GI	none	Score	284

Exons 7601..7903, 7602..7904, 7880..7969

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o1.tw	Method	TBLASTX:Wheat
Start	7691	End	8005
GI	none	Score	182

Exons 7691..8005, 7704..7985

Seq. No.	17425	Seq. ID	OJ991216_11.0113.C17
Gene No.	36626	Strand	-
Start	3020	End	9408
Name	OJ991216_11.0113.C17.o2.tm	Method	TBLASTX:Maize
Start	8642	End	9103
GI	none	Score	221

Exons 8642..8875, 8643..8849, 8714..8944, 8786..9007, 8848..8955, 8849..8956, 8850..8954, 8853..8957, 8854..8955, 8930..9103

Seq. No.	17426	Seq. ID	OJ991216_11.0113.C18
Gene No.	36627	Strand	-
Start	270	End	2940
Name	OJ991216_11.0113.C18.o1.gs	Method	GENSCAN
Start	270	End	2920
GI	none	Score	.61

Exons 270..426, 513..764, 815..995, 1077..1223, 1584..1655, 2013..2156, 2297..2368, 2849..2920

Seq. No.	17426	Seq. ID	OJ991216_11.0113.C18
Gene No.	36627	Strand	-
Start	270	End	2940
Name	OJ991216_11.0113.C18.o1.tm	Method	TBLASTX:Maize
Start	793	End	2940
GI	none	Score	105

Exons 793..1005, 811..996, 812..997, 1045..1221, 1079..1222,

1081..1224, 1083..1223, 1123..1239, 1583..1654, 1585..1653, 1588..1656, 2002..2157, 2005..2160, 2011..2148, 2015..2170, 2029..2160, 2283..2369, 2284..2370, 2847..2939, 2848..2928, 2848..2940

Seq. No.	17426	Seq. ID	OJ991216_11.0113.C18
Gene No.	36627	Strand	-
Start	270	End	2940
Name	OJ991216_11.0113.C18.o1.tc	Method	TBLASTX:Cress
Start	801	End	2363
GI	none	Score	64
Exons	801..983, 808..1005, 812..997, 1045..1233, 1079..1222, 1123..1215, 1585..1653, 1595..1654, 2005..2148, 2015..2146, 2029..2160, 2283..2363		

Seq. No.	17426	Seq. ID	OJ991216_11.0113.C18
Gene No.	36627	Strand	-
Start	270	End	2940
Name	OJ991216_11.0113.C18.o1.tw	Method	TBLASTX:Wheat
Start	801	End	1659
GI	none	Score	64
Exons	801..983, 808..996, 812..997, 1585..1659		

Seq. No.	17426	Seq. ID	OJ991216_11.0113.C18
Gene No.	36627	Strand	-
Start	270	End	2940
Name	OJ991216_11.0113.C18.o1.ts	Method	TBLASTX:Soybean
Start	811	End	2369
GI	none	Score	152
Exons	811..1005, 812..997, 1069..1200, 1073..1201, 2283..2369		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o1.gs	Method	GENSCAN
Start	1119	End	3393
GI	none	Score	.83
Exons	1119..1264, 1598..1672, 1948..2094, 2222..2429, 2985..3113, 3187..3393		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o1.gp	Method	AAT/GAP
Start	1453	End	2438
GI	none	Score	861
Exons	1453..1505, 1598..1672, 1948..2094, 2222..2438		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o1.tm	Method	TBLASTX:Maize
Start	1590	End	3432
GI	none	Score	128
Exons	1590..1670, 1944..2096, 1947..2054, 1949..2098, 2220..2432, 2221..2430, 2223..2360, 2974..3114, 2985..3116, 3186..3272, 3193..3270, 3355..3393, 3358..3432		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o1.tc	Method	TBLASTX:Cress
Start	1949	End	3399
GI	none	Score	61
Exons	1949..2020, 2310..2360, 2343..2432, 2344..2421, 2985..3116, 2985..3116, 3187..3228, 3253..3333, 3349..3399		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o1.ts	Method	TBLASTX:Soybean
Start	2006	End	3393
GI	none	Score	117
Exons	2006..2098, 2220..2432, 2236..2421, 2985..3116, 3187..3228, 3259..3333, 3367..3393		

Seq. No.	17427	Seq. ID	OJ991216_11.0113.C19
Gene No.	36628	Strand	-
Start	1119	End	4183
Name	OJ991216_11.0113.C19.o2.gp	Method	AAT/GAP
Start	2994	End	4183
GI	74226_1.R1084	Score	1169
Exons	2994..3113, 3187..3545, 4049..4183		
GI Descrip.	'5257279/dbj|BAA81778.1| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	17428	Seq. ID	OJ991216_11.0113.C20
Gene No.	36629	Strand	+
Start	48	End	2827
Name	OJ991216_11.0113.C20.o1.gs	Method	GENSCAN
Start	48	End	2827
GI	none	Score	.81
Exons	48..140, 1539..1604, 2669..2827		

Seq. No.	17429	Seq. ID	OJ991216_11.0113.C21
Gene No.	36630	Strand	+
Start	2576	End	3273
Name	OJ991216_11.0113.C21.o1.tm	Method	TBLASTX:Maize
Start	2463	End	2961
GI	none	Score	154
Exons	2463..2648, 2508..2648, 2509..2652, 2782..2889, 2787..2960, 2800..2961		

Seq. No.	17429	Seq. ID	OJ991216_11.0113.C21
Gene No.	36630	Strand	+
Start	2576	End	3273
Name	OJ991216_11.0113.C21.o2.gs	Method	GENSCAN
Start	2576	End	3035
GI	none	Score	.95
Exons	2576..2648, 2782..3035		

Seq. No.	17429	Seq. ID	OJ991216_11.0113.C21
Gene No.	36630	Strand	+

Start	2576	End	3273
Name	OJ991216_11.0113.C21.o1.np	Method	AAT/NAP
Start	2865	End	3273
GI	4699942	Score	113
Exons	2865..3046, 3213..3273		
GI Descrip.	(AC007166) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36631	Strand	+
Start	11	End	2342
Name	OJ991216_11.0113.C22.o1.np	Method	AAT/NAP
Start	11	End	2324
GI	4699942	Score	888
Exons	11..181, 600..765, 840..929, 1389..1687, 2121..2324		
GI Descrip.	(AC007166) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36631	Strand	+
Start	11	End	2342
Name	OJ991216_11.0113.C22.o1.gs	Method	GENSCAN
Start	98	End	2342
GI	none	Score	.83
Exons	98..181, 600..765, 840..929, 1389..1648, 2121..2342		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36632	Strand	-
Start	2346	End	2845
Name	OJ991216_11.0113.C22.o1.gp	Method	AAT/GAP
Start	2346	End	2845
GI	none	Score	976
Exons	2346..2845		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o1.ts	Method	TBLASTX:Soybean
Start	26	End	2324
GI	none	Score	123
Exons	26..175, 40..183, 59..190, 597..767, 597..767, 598..768, 599..769, 830..928, 832..927, 846..935, 847..936, 1371..1481, 1387..1686, 1388..1687, 1525..1701, 2121..2324		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o3.tm	Method	TBLASTX:Maize
Start	624	End	1687
GI	none	Score	93
Exons	624..761, 1375..1488, 1388..1489, 1498..1674, 1499..1687		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o1.tc	Method	TBLASTX:Cress
Start	669	End	2306
GI	none	Score	95
Exons	669..770, 671..772, 830..925, 871..924, 1388..1489, 1393..1488,		

1505..1702, 1507..1686, 1529..1708, 2181..2306

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o1.tw	Method	TBLASTX:Wheat
Start	704	End	1588
GI	none	Score	100
Exons	704..766, 705..770, 706..771, 830..928, 832..927, 841..936, 843..935, 1386..1538, 1387..1587, 1388..1588		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o4.tm	Method	TBLASTX:Maize
Start	2123	End	2368
GI	none	Score	213
Exons	2123..2368, 2124..2321		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o2.np	Method	AAT/NAP
Start	3805	End	7066
GI	1723438	Score	344
Exons	3805..4092, 4185..4306, 4615..4805, 4910..5077, 5547..5642, 5976..6264, 6387..6475, 6971..7066		
GI Descrip.	HYPOTHETICAL 52.3 KD PROTEIN C56F8.06C IN CHROMOSOME I PRECURSOR gi|1204228|emb|CAA93577.1| (Z69728) putative transcriptional activator [Schizosaccharomyces pombe]		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o2.tm	Method	TBLASTX:Maize
Start	4160	End	5022
GI	none	Score	155
Exons	4160..4318, 4161..4304, 4570..4806, 4601..4816, 4603..4806, 4604..4807, 4908..5018, 4908..5012, 4909..5022		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o2.gs	Method	GENSCAN
Start	4213	End	7060
GI	none	Score	.86
Exons	4213..4295, 4910..5047, 5381..5642, 5976..6309, 6387..6475, 6971..7060		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o3.ts	Method	TBLASTX:Soybean
Start	4675	End	5036
GI	none	Score	90
Exons	4675..4806, 4688..4807, 4908..5036, 4909..5034		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o1.tm	Method	TBLASTX:Maize
Start	6012	End	6477
GI	none	Score	147
Exons	6012..6221, 6013..6222, 6013..6222, 6213..6323, 6225..6323, 6350..6475, 6378..6476, 6379..6477, 6381..6476		

Seq. No.	17430	Seq. ID	OJ991216_11.0113.C22
Gene No.	36633	Strand	-
Start	4213	End	7066
Name	OJ991216_11.0113.C22.o2.ts	Method	TBLASTX:Soybean
Start	6015	End	6500
GI	none	Score	120
Exons	6015..6248, 6016..6249, 6168..6308, 6211..6309, 6384..6500, 6386..6475		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+
Start	358	End	1859
Name	OJ991216_11.0113.C23.o1.ts	Method	TBLASTX:Soybean
Start	357	End	1833
GI	none	Score	101
Exons	357..431, 358..438, 915..1025, 942..1025, 1192..1254, 1194..1286, 1357..1443, 1365..1439, 1599..1676, 1735..1833, 1740..1832		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+
Start	358	End	1859
Name	OJ991216_11.0113.C23.o1.gs	Method	GENSCAN
Start	358	End	1263
GI	none	Score	.94
Exons	358..438, 939..1024, 1191..1263		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+
Start	358	End	1859
Name	OJ991216_11.0113.C23.o1.np	Method	AAT/NAP
Start	358	End	1266
GI	6730745	Score	283
Exons	358..438, 939..1024, 1191..1266		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+
Start	358	End	1859
Name	OJ991216_11.0113.C23.o2.np	Method	AAT/NAP
Start	364	End	1830
GI	6165480	Score	218
Exons	364..471, 963..1024, 1191..1249, 1355..1443, 1741..1830		
GI Descrip.	(AL132717) conserved hypothetical protein; possible role in vesicular transport by similarity [Schizosaccharomyces pombe]		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+

Start	358	End	1859
Name	OJ991216_11.0113.C23.o1.tc	Method	TBLASTX:Cress
Start	936	End	1833
GI	none	Score	86
Exons	936..1025, 1188..1271, 1192..1254, 1357..1446, 1376..1438, 1735..1833, 1740..1832		

Seq. No.	17431	Seq. ID	OJ991216_11.0113.C23
Gene No.	36634	Strand	+
Start	358	End	1859
Name	OJ991216_11.0113.C23.o1.tm	Method	TBLASTX:Maize
Start	952	End	1859
GI	none	Score	83
Exons	952..1017, 954..1004, 1188..1268, 1192..1254, 1357..1446, 1357..1446, 1735..1833, 1740..1859, 1740..1832		

Seq. No.	17432	Seq. ID	OJ991216_11.0113.C24
Gene No.	36635	Strand	+
Start	38	End	470
Name	OJ991216_11.0113.C24.o1.gs	Method	GENSCAN
Start	38	End	470
GI	none	Score	.87
Exons	38..145, 405..470		

Seq. No.	17432	Seq. ID	OJ991216_11.0113.C24
Gene No.	36636	Strand	-
Start	1102	End	1368
Name	OJ991216_11.0113.C24.o2.gs	Method	GENSCAN
Start	1102	End	1368
GI	none	Score	.99
Exons	1102..1229, 1275..1368		

Seq. No.	17433	Seq. ID	OJ991216_11.0113.C27
Gene No.	36637	Strand	-
Start	22	End	251
Name	OJ991216_11.0113.C27.o1.gs	Method	GENSCAN
Start	22	End	251
GI	none	Score	.73
Exons	22..143, 161..251		

Seq. No.	17434	Seq. ID	OJ991216_11.0113.C28
Gene No.	36638	Strand	-
Start	132	End	234
Name	OJ991216_11.0113.C28.o1.gs	Method	GENSCAN
Start	132	End	234
GI	none	Score	.99
Exons	132..234		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36639	Strand	+
Start	8953	End	12897
Name	OJ991206_17.0104.C2.o2.np	Method	AAT/NAP
Start	8953	End	10687
GI	6721512	Score	54
Exons	8953..9067, 10664..10687		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36639	Strand	+
Start	8953	End	12897
Name	OJ991206_17.0104.C2.o3.np	Method	AAT/NAP
Start	9903	End	11472
GI	6721558	Score	244
Exons	9903..10002, 10703..10827, 11270..11472		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36639	Strand	+
Start	8953	End	12897
Name	OJ991206_17.0104.C2.o3.gs	Method	GENSCAN
Start	9984	End	12897
GI	none	Score	.58
Exons	9984..10536, 10703..10827, 10895..11202, 11272..11560, 11726..12033, 12155..12300, 12398..12897		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36639	Strand	+
Start	8953	End	12897
Name	OJ991206_17.0104.C2.o4.np	Method	AAT/NAP
Start	10427	End	12034
GI	6721561	Score	1020
Exons	10427..10462, 10861..11074, 11144..11202, 11272..12034		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36640	Strand	+
Start	19811	End	26474
Name	OJ991206_17.0104.C2.o7.np	Method	AAT/NAP
Start	19811	End	24311
GI	6721512	Score	57
Exons	19811..19932, 24275..24311		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36640	Strand	+
Start	19811	End	26474
Name	OJ991206_17.0104.C2.o2.gp	Method	AAT/GAP
Start	20995	End	21665
GI	uC-osf1cyp011b03b1	Score	940
Exons	20995..21052, 21126..21188, 21297..21665		
GI Descrip.	'1421751 3.0e-12 (U60592) putative ORF; conserved in 5'' leaders of plant SAMdC [Pisum sativum]'		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36640	Strand	+
Start	19811	End	26474
Name	OJ991206_17.0104.C2.o8.np	Method	AAT/NAP
Start	21131	End	23761

GI	6688926	Score	149
Exons	21131..21188, 21297..21367, 21441..21522, 21763..21878, 21993..22056, 23438..23761		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36640	Strand	+
Start	19811	End	26474
Name	OJ991206_17.0104.C2.o8.gs	Method	GENSCAN
Start	21134	End	26474
GI	none	Score	.8
Exons	21134..21188, 21297..21367, 23510..24433, 24559..24839, 24891..25177, 25324..25511, 25587..25776, 25849..25953, 26026..26474		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36640	Strand	+
Start	19811	End	26474
Name	OJ991206_17.0104.C2.o9.np	Method	AAT/NAP
Start	23549	End	26471
GI	6691716	Score	2370
Exons	23549..24433, 24631..24809, 24891..25140, 25317..25511, 25587..25698, 25849..25953, 26026..26471		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36641	Strand	-
Start	565	End	765
Name	OJ991206_17.0104.C2.o1.gs	Method	GENSCAN
Start	565	End	765
GI	none	Score	.96
Exons	565..765		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36642	Strand	-
Start	1785	End	8298
Name	OJ991206_17.0104.C2.o1.gp	Method	AAT/GAP
Start	1785	End	6438
GI	12863_1.R1084	Score	2314
Exons	1785..2018, 2576..2688, 3101..3196, 4298..4414, 4823..4921, 5194..5325, 5421..5596, 5718..5892, 6027..6115, 6372..6438		
GI Descrip.	'3540183 1.0e-115 (AC004122) Highly Similar to branched-chain amino acid aminotransferase [Arabidopsis thaliana]'		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36642	Strand	-
Start	1785	End	8298
Name	OJ991206_17.0104.C2.o2.gs	Method	GENSCAN
Start	1898	End	8298
GI	none	Score	.49
Exons	1898..2018, 2576..2688, 3101..3196, 4298..4414, 4823..4921, 5194..5306, 5783..5892, 6027..6115, 6372..6767, 6851..6890, 8291..8298		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2

Gene No.	36642	Strand	-
Start	1785	End	8298
Name	OJ991206_17.0104.C2.o1.np	Method	AAT/NAP
Start	1901	End	6000
GI	6319167	Score	1145
Exons	1901..2018, 2576..2688, 3101..3196, 4298..4414, 4823..4921, 5194..5325, 5421..5596, 5718..6000		
GI Descrip.	(AF193846) branched-chain amino acid aminotransferase [Solanum tuberosum]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36643	Strand	-
Start	13572	End	16621
Name	OJ991206_17.0104.C2.o5.np	Method	AAT/NAP
Start	13531	End	16621
GI	5902445	Score	2998
Exons	13531..16621		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36643	Strand	-
Start	13572	End	16621
Name	OJ991206_17.0104.C2.o4.gs	Method	GENSCAN
Start	13572	End	16621
GI	none	Score	.53
Exons	13572..13806, 13835..14026, 14138..14992, 15004..15782, 15869..16621		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36644	Strand	-
Start	16685	End	21177
Name	OJ991206_17.0104.C2.o5.gs	Method	GENSCAN
Start	16685	End	17350
GI	none	Score	1
Exons	16685..17350		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36644	Strand	-
Start	16685	End	21177
Name	OJ991206_17.0104.C2.o6.np	Method	AAT/NAP
Start	16688	End	21177
GI	5902444	Score	1070
Exons	16688..18346, 18674..18810, 21132..21177		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36644	Strand	-
Start	16685	End	21177
Name	OJ991206_17.0104.C2.o6.gs	Method	GENSCAN
Start	17408	End	18663
GI	none	Score	.64
Exons	17408..18102, 18273..18663		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36644	Strand	-
Start	16685	End	21177
Name	OJ991206_17.0104.C2.o7.gs	Method	GENSCAN

Start	18916	End	19881
GI	none	Score	.99
Exons	18916..19881		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o1.tm	Method	TBLASTX:Maize
Start	1878	End	6121
GI	none	Score	129
Exons	1878..2006, 1898..2005, 2575..2691, 2576..2695, 2577..2690, 2578..2694, 3098..3193, 3099..3194, 3099..3197, 3100..3201, 4296..4421, 4297..4416, 4307..4423, 4802..4939, 4820..4921, 4821..4922, 5192..5323, 5194..5325, 5402..5551, 5418..5552, 5418..5555, 5422..5568, 5559..5600, 5561..5608, 5713..5886, 5717..5890, 5721..5897, 5722..5886, 6036..6116, 6047..6121		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o1.ts	Method	TBLASTX:Soybean
Start	2575	End	5897
GI	none	Score	81
Exons	2575..2691, 2588..2638, 3060..3188, 3098..3199, 3099..3197, 4297..4410, 4297..4404, 4299..4421, 4307..4423, 4765..4878, 4805..4939, 4821..4922, 4828..4947, 5188..5319, 5192..5326, 5194..5325, 5238..5333, 5402..5494, 5417..5506, 5418..5543, 5418..5555, 5419..5553, 5567..5608, 5571..5597, 5721..5897, 5722..5883		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o1.tc	Method	TBLASTX:Cress
Start	4838	End	5877
GI	none	Score	151
Exons	4838..4939, 5174..5326, 5194..5325, 5418..5543, 5418..5582, 5419..5550, 5567..5608, 5701..5877, 5721..5876		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o3.tw	Method	TBLASTX:Wheat
Start	13540	End	27416
GI	none	Score	56
Exons	13540..13671, 13553..13666, 13696..14148, 13892..13999, 26802..26939, 26925..27416, 27154..27255, 27307..27396		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o6.tm	Method	TBLASTX:Maize
Start	13576	End	27074
GI	none	Score	104
Exons	13576..13659, 13660..13824, 26839..26943, 26841..26942, 26922..27074		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o4.tw	Method	TBLASTX:Wheat
Start	14272	End	27918
GI	none	Score	178
Exons	14272..14655, 14273..14647, 27531..27722, 27531..27917, 27607..27918		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o2.tm	Method	TBLASTX:Maize
Start	14350	End	27924
GI	none	Score	136
Exons	14350..14655, 14351..14569, 27561..27608, 27562..27609, 27589..27903, 27600..27923, 27613..27924		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o8.tm	Method	TBLASTX:Maize
Start	14916	End	28406
GI	none	Score	193
Exons	14916..15077, 15135..15158, 28152..28406		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o5.tw	Method	TBLASTX:Wheat
Start	15000	End	28658
GI	none	Score	71
Exons	15000..15284, 15304..15408, 15312..15413, 28236..28658, 28246..28650		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o3.ts	Method	TBLASTX:Soybean
Start	15033	End	28667
GI	none	Score	157
Exons	15033..15281, 15291..15416, 28279..28659, 28281..28523, 28563..28667		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o8.tw	Method	TBLASTX:Wheat
Start	15415	End	28944
GI	none	Score	63
Exons	15415..15555, 15417..15608, 15486..15605, 15612..15680, 15613..15681, 28658..28756, 28662..28943, 28674..28808, 28867..28944		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036

Name	OJ991206_17.0104.C2.o4.tm	Method	TBLASTX:Maize
Start	15615	End	29226
GI	none	Score	90
Exons	15615..15689, 15708..15797, 15797..15958, 15810..15959, 28782..28808, 28806..28949, 28819..28950, 28971..29225, 28972..29226		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o2.ts	Method	TBLASTX:Soybean
Start	15630	End	29294
GI	none	Score	86
Exons	15630..15797, 15797..16051, 15867..15992, 28893..29294, 28924..29097, 29134..29277		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o2.tw	Method	TBLASTX:Wheat
Start	15687	End	29372
GI	none	Score	46
Exons	15687..15797, 15720..15797, 15780..15995, 15791..16105, 15797..16105, 28948..29328, 28948..29307, 28953..29372		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o7.tm	Method	TBLASTX:Maize
Start	15959	End	29453
GI	none	Score	167
Exons	15959..16186, 29226..29453		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o3.tm	Method	TBLASTX:Maize
Start	16190	End	29813
GI	none	Score	205
Exons	16190..16546, 16191..16484, 16244..16492, 29457..29813, 29467..29772		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o1.tw	Method	TBLASTX:Wheat
Start	16221	End	29943
GI	none	Score	334
Exons	16221..16676, 16232..16675, 29487..29942, 29488..29943		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o4.ts	Method	TBLASTX:Soybean
Start	16271	End	29903
GI	none	Score	135
Exons	16271..16405, 16412..16636, 29538..29672, 29679..29903		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o6.tw	Method	TBLASTX:Wheat
Start	16868	End	30620
GI	none	Score	155
Exons	16868..17104, 16878..17102, 17141..17323, 17214..17315, 30163..30399, 30165..30395, 30444..30620		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o7.tw	Method	TBLASTX:Wheat
Start	17906	End	31599
GI	none	Score	68
Exons	17906..18304, 31197..31598, 31330..31473, 31546..31599		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o9.tm	Method	TBLASTX:Maize
Start	18068	End	31616
GI	none	Score	176
Exons	18068..18307, 31362..31616		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o5.tm	Method	TBLASTX:Maize
Start	20980	End	21523
GI	none	Score	43
Exons	20980..21024, 21080..21154, 21112..21189, 21131..21187, 21133..21192, 21272..21370, 21299..21370, 21434..21523, 21435..21521, 21442..21522		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o9.tw	Method	TBLASTX:Wheat
Start	23669	End	23959
GI	none	Score	213
Exons	23669..23959, 23816..23938		

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o10.np	Method	AAT/NAP
Start	26826	End	32036
GI	5922631	Score	6272
Exons	26826..29353, 29960..30883, 31010..31160, 31203..31775, 31821..32036		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	17435	Seq. ID	OJ991206_17.0104.C2
Gene No.	36645	Strand	-
Start	26826	End	32036
Name	OJ991206_17.0104.C2.o10.tw	Method	TBLASTX:Wheat
Start	27921	End	28220
GI	none	Score	130
Exons	27921..28061, 28086..28220		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36646	Strand	+
Start	5219	End	8110
Name	OJ991206_17.0104.C3.o2.np	Method	AAT/NAP
Start	5216	End	7509
GI	6688926	Score	199
Exons	5216..5273, 5361..5431, 5506..5587, 5707..5822, 5938..6137, 6733..6826, 7410..7509		
GI Descrip.	(AJ251365) VAP27 [Nicotiana plumbaginifolia]		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36646	Strand	+
Start	5219	End	8110
Name	OJ991206_17.0104.C3.o2.gs	Method	GENSCAN
Start	5219	End	8110
GI	none	Score	.71
Exons	5219..5273, 5647..5822, 5938..6075, 6129..6188, 6744..6818, 8015..8110		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36647	Strand	-
Start	1	End	880
Name	OJ991206_17.0104.C3.o1.np	Method	AAT/NAP
Start	1	End	880
GI	5902444	Score	1331
Exons	1..880		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36647	Strand	-
Start	1	End	880
Name	OJ991206_17.0104.C3.o1.gs	Method	GENSCAN
Start	26	End	880
GI	none	Score	.55
Exons	26..880		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36648	Strand	+
Start	5215	End	6078
Name	OJ991206_17.0104.C3.o2.tm	Method	TBLASTX:Maize
Start	5215	End	5588
GI	none	Score	79
Exons	5215..5274, 5216..5272, 5218..5277, 5324..5434, 5362..5433, 5500..5586, 5500..5583, 5505..5588		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3

Gene No.	36648	Strand	
Start	5215	End	6078
Name	OJ991206_17.0104.C3.o1.tc	Method	TBLASTX:Cress
Start	5236	End	5806
GI	none	Score	93
Exons	5236..5271, 5321..5434, 5362..5436, 5464..5577, 5499..5582, 5499..5585, 5500..5583, 5705..5806, 5706..5795		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36648	Strand	
Start	5215	End	6078
Name	OJ991206_17.0104.C3.o1.ts	Method	TBLASTX:Soybean
Start	5321	End	6003
GI	none	Score	98
Exons	5321..5434, 5362..5433, 5499..5585, 5500..5583, 5705..5830, 5706..5822, 5938..6003		

Seq. No.	17436	Seq. ID	OJ991206_17.0104.C3
Gene No.	36648	Strand	
Start	5215	End	6078
Name	OJ991206_17.0104.C3.o1.tm	Method	TBLASTX:Maize
Start	5651	End	6078
GI	none	Score	188
Exons	5651..5812, 5665..5814, 5667..5813, 5702..5815, 5706..5816, 5929..6003, 5951..5989, 5953..5994, 6003..6074, 6004..6072, 6004..6078		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o1.np	Method	AAT/NAP
Start	1	End	2544
GI	6456164	Score	1801
Exons	1..1368, 1478..1593, 1692..1867, 2398..2544		
GI Descrip.	(AC011622) putative UDP-N-acetylmuramoylalanyl-D-glutamate--2,6-diaminopimelate ligase [Arabidopsis thaliana]		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o1.gs	Method	GENSCAN
Start	54	End	3983
GI	none	Score	.81
Exons	54..1368, 1689..1867, 2398..2543, 3799..3983		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o2.ts	Method	TBLASTX:Soybean
Start	258	End	799
GI	none	Score	98
Exons	258..353, 363..677, 404..529, 776..799		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983

Name	OJ991206_17.0104.C4.o1.tm	Method	TBLASTX:Maize
Start	318	End	603
GI	none	Score	324
Exons	318..602, 318..602, 448..603, 451..603		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o1.ts	Method	TBLASTX:Soybean
Start	882	End	1130
GI	none	Score	325
Exons	882..1121, 885..1130, 896..1129		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o1.tc	Method	TBLASTX:Cress
Start	903	End	1815
GI	none	Score	557
Exons	903..1373, 903..1298, 905..1372, 1449..1562, 1477..1560, 1477..1569, 1560..1604, 1562..1615, 1691..1813, 1693..1815		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o3.ts	Method	TBLASTX:Soybean
Start	1559	End	1873
GI	none	Score	52
Exons	1559..1594, 1560..1604, 1691..1873, 1693..1872		

Seq. No.	17437	Seq. ID	OJ991206_17.0104.C4
Gene No.	36649	Strand	+
Start	1	End	3983
Name	OJ991206_17.0104.C4.o4.ts	Method	TBLASTX:Soybean
Start	2397	End	2545
GI	none	Score	229
Exons	2397..2540, 2398..2544, 2405..2545, 2407..2544		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36650	Strand	+
Start	620	End	2234
Name	OJ991206_17.0104.C5.o1.gs	Method	GENSCAN
Start	620	End	2234
GI	none	Score	.88
Exons	620..741, 845..949, 1012..1159, 1251..1391, 1496..1900, 2037..2234		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36651	Strand	+
Start	3101	End	7784
Name	OJ991206_17.0104.C5.o1.np	Method	AAT/NAP
Start	3101	End	7784
GI	4581108	Score	2568
Exons	3101..3120, 5457..7784		
GI Descrip.	(AC005825) putative chloroplast outer membrane protein [Arabidopsis thaliana]		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36651	Strand	+
Start	3101	End	7784
Name	OJ991206_17.0104.C5.o2.gs	Method	GENSCAN
Start	4745	End	7771
GI	none	Score	.99
Exons	4745..7771		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36651	Strand	+
Start	3101	End	7784
Name	OJ991206_17.0104.C5.o1.gp	Method	AAT/GAP
Start	6937	End	7302
GI	LIB3434-013-P1-K1-B7	Score	684
Exons	6937..7302		
GI Descrip.	'4581108/gb|AAD24598.1|AC005825_5 1.0e-47 (AC005825) putative chloroplast outer membrane protein 86,also very similar to GTP-inding protein from pea (GB:L36857) [Arabidopsis thaliana]'		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36652	Strand	+
Start	7699	End	8054
Name	OJ991206_17.0104.C5.o2.gp	Method	AAT/GAP
Start	7699	End	8054
GI	none	Score	679
Exons	7699..8054		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o4.ts	Method	TBLASTX:Soybean
Start	1868	End	13734
GI	none	Score	40
Exons	1868..1900, 2022..2204, 2036..2200, 12224..12787, 12233..12394, 12430..12786, 13555..13734, 13563..13727		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o3.ts	Method	TBLASTX:Soybean
Start	5654	End	6061
GI	none	Score	203
Exons	5654..5830, 5654..5851, 5667..5831, 5776..6060, 5816..6061		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o1.tc	Method	TBLASTX:Cress
Start	5657	End	6424
GI	none	Score	103
Exons	5657..5779, 5660..5785, 5819..6403, 5824..6066, 5903..6067, 6100..6402, 6143..6403, 6389..6424, 6394..6420		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o1.tm	Method	TBLASTX:Maize

Start	5660	End	7750
GI	none	Score	129
Exons	5660..5800, 5695..5790, 5822..6571, 5823..5975, 5869..6516, 6104..6556, 6586..6630, 6594..6698, 6731..6850, 6754..6888, 6921..7094, 6935..7750, 6952..7041, 6978..7109, 7147..7623, 7262..7732, 7651..7734		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o2.ts	Method	TBLASTX:Soybean
Start	6061	End	7000
GI	none	Score	354
Exons	6061..6375, 6062..6376, 6380..6403, 6391..6522, 6392..6559, 6586..6615, 6731..6844, 6935..7000		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o3.tc	Method	TBLASTX:Cress
Start	6935	End	7252
GI	none	Score	283
Exons	6935..7252		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o2.tw	Method	TBLASTX:Wheat
Start	6938	End	7099
GI	none	Score	187
Exons	6938..7099, 6952..7041		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o1.ts	Method	TBLASTX:Soybean
Start	7001	End	7750
GI	none	Score	73
Exons	7001..7051, 7049..7750, 7055..7729, 7126..7746		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o3.gs	Method	GENSCAN
Start	8967	End	13764
GI	none	Score	.74
Exons	8967..9249, 10071..10192, 10275..10396, 10480..10584, 10759..10927, 10964..11170, 11246..11386, 11460..11904, 12144..12859, 13026..13136, 13564..13764		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o3.np	Method	AAT/NAP
Start	11715	End	14072
GI	6382522	Score	94
Exons	11715..11736, 13564..13763, 14042..14072		

GI Descrip. (AC011020) hypothetical protein [Arabidopsis thaliana]

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o2.tc	Method	TBLASTX:Cress
Start	11841	End	12565
GI	none	Score	82
Exons	11841..11972, 12092..12169, 12115..12150, 12166..12270, 12167..12433, 12328..12390, 12440..12565		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o2.np	Method	AAT/NAP
Start	11890	End	12874
GI	5295966	Score	879
Exons	11890..12008, 12095..12874		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o2.tm	Method	TBLASTX:Maize
Start	12092	End	12874
GI	none	Score	742
Exons	12092..12784, 12093..12419, 12094..12756, 12713..12874		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o1.tw	Method	TBLASTX:Wheat
Start	12102	End	12391
GI	none	Score	60
Exons	12102..12245, 12118..12390, 12119..12391		

Seq. No.	17438	Seq. ID	OJ991206_17.0104.C5
Gene No.	36653	Strand	+
Start	8967	End	14072
Name	OJ991206_17.0104.C5.o3.gp	Method	AAT/GAP
Start	12703	End	13940
GI	uC-osflcyp173g05b1	Score	1044
Exons	12703..12859, 13564..13940		
GI Descrip.	'3386604 8.0e-23 (AC004665) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.gp	Method	AAT/GAP
Start	483	End	1102
GI	37062_1.R1084	Score	1118
Exons	483..1102		
GI Descrip.	'729944/sp|Q07154|MPZ1_MAIZE 5.0e-34 POLLEN ALLERGEN ZEA M 1 (ZEA M I) >gi_478272_pir__JC1524 major allergen mI protein - maize >gi_293902 (L14271) Zea mI [Zea mays]'		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.tm	Method	TBLASTX:Maize
Start	781	End	2276
GI	none	Score	64
Exons	781..870, 788..1303, 792..1301, 1671..1781, 1674..1790, 1676..1789, 2070..2276, 2071..2265		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.gs	Method	GENSCAN
Start	788	End	2258
GI	none	Score	.99
Exons	788..1300, 1679..1788, 2072..2258		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.tw	Method	TBLASTX:Wheat
Start	789	End	1234
GI	none	Score	213
Exons	789..1094, 789..977, 794..1093, 920..1117, 1094..1234, 1095..1229		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.ts	Method	TBLASTX:Soybean
Start	794	End	2189
GI	none	Score	75
Exons	794..883, 876..968, 878..970, 980..1093, 981..1094, 1094..1216, 1095..1217, 1241..1303, 1242..1301, 1676..1765, 1677..1772, 2082..2189		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o1.np	Method	AAT/NAP
Start	803	End	2252
GI	3901094	Score	802
Exons	803..1300, 1679..1788, 2072..2252		
GI Descrip.	(Z27090) pollen allergen Phl pI [Phleum pratense]		

Seq. No.	17439	Seq. ID	OJ991206_17.0104.C6
Gene No.	36654	Strand	-
Start	788	End	2334
Name	OJ991206_17.0104.C6.o2.gp	Method	AAT/GAP
Start	1093	End	2334
GI	27296_1.R1084	Score	1022
Exons	1093..1300, 1679..1788, 2072..2334		
GI Descrip.	'1171008/sp|P43213|MPP1_PHLPR 3.0e-49 POLLEN ALLERGEN PHL P 1 PRECURSOR (PHL P I) >gi_629812_pir__S44182 allergen Phl p I - common timothy >gi_473360_emb_CAA55390_ (X78813) Phl p I allergen [Phleum pratense]'		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36655	Strand	+
Start	452	End	6098
Name	OJ991206_17.0104.C7.o1.gs	Method	GENSCAN
Start	452	End	5925
GI	none	Score	.6
Exons	452..518, 1199..1224, 1631..1723, 2838..2942, 4032..4601, 4724..5491, 5704..5925		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36655	Strand	+
Start	452	End	6098
Name	OJ991206_17.0104.C7.o2.np	Method	AAT/NAP
Start	3639	End	5916
GI	6850906	Score	176
Exons	3639..3699, 4004..4139, 4233..4407, 5448..5491, 5704..5916		
GI Descrip.	(AL137898) putative protein [Arabidopsis thaliana]		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36655	Strand	+
Start	452	End	6098
Name	OJ991206_17.0104.C7.o1.gp	Method	AAT/GAP
Start	4087	End	4322
GI	702337	Score	472
Exons	4087..4322		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36655	Strand	+
Start	452	End	6098
Name	OJ991206_17.0104.C7.o1.np	Method	AAT/NAP
Start	4481	End	5506
GI	5295966	Score	892
Exons	4481..4601, 4724..5506		
GI Descrip.	(AB026295) Similar to Glycine max gmsti mRNA.(X79770) [Oryza sativa]		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36655	Strand	+
Start	452	End	6098
Name	OJ991206_17.0104.C7.o2.gp	Method	AAT/GAP
Start	5713	End	6098
GI	5056138	Score	655
Exons	5713..6098		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36656	Strand	+
Start	6516	End	14165
Name	OJ991206_17.0104.C7.o2.gs	Method	GENSCAN
Start	6516	End	14047
GI	none	Score	.5
Exons	6516..6549, 6833..7251, 7351..7473, 8714..8806, 10557..10622, 11002..11220, 11610..11957, 12066..12160, 12747..12954, 13283..13390, 13988..14047		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36656	Strand	+

Start	6516	End	14165
Name	OJ991206_17.0104.C7.o3.np	Method	AAT/NAP
Start	6845	End	13335
GI	6642680	Score	1747
Exons	6845..6913, 7009..7030, 7077..7251, 7351..7473, 8386..8469, 8573..8623, 8714..8815, 8971..9111, 9183..9263, 9341..9588, 9682..9853, 10173..10283, 10383..10445, 11002..11220, 11389..11440, 11584..11678, 11763..11957, 12066..12160, 12256..12495, 12747..13335		
GI Descrip.	(AC015450) hypothetical protein, 3' partial [Arabidopsis thaliana]		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36656	Strand	+
Start	6516	End	14165
Name	OJ991206_17.0104.C7.o3.gp	Method	AAT/GAP
Start	13862	End	14165
GI	none	Score	550
Exons	13862..14165		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36657	Strand	+
Start	14868	End	15701
Name	OJ991206_17.0104.C7.o3.gs	Method	GENSCAN
Start	14868	End	15701
GI	none	Score	1
Exons	14868..15701		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36658	Strand	+
Start	16502	End	19971
Name	OJ991206_17.0104.C7.o4.gs	Method	GENSCAN
Start	16502	End	19834
GI	none	Score	.7
Exons	16502..16639, 17425..17505, 17706..17853, 17950..18125, 18192..18339, 18423..18576, 19004..19082, 19664..19834		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36658	Strand	+
Start	16502	End	19971
Name	OJ991206_17.0104.C7.o4.gp	Method	AAT/GAP
Start	16609	End	18075
GI	LIB3477-002-P1-K1-E12	Score	817
Exons	16609..16713, 17425..17505, 17706..17853, 17950..18075		
GI Descrip.	'3451067/emb|CAA20463.1| 2.0e-13 (AL031326) putative protein [Arabidopsis thaliana]'		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36658	Strand	+
Start	16502	End	19971
Name	OJ991206_17.0104.C7.o4.np	Method	AAT/NAP
Start	17742	End	19843
GI	3451068	Score	638
Exons	17742..17853, 17950..18181, 18209..18339, 18423..18576, 19004..19082, 19664..19843		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36658	Strand	+
Start	16502	End	19971
Name	OJ991206_17.0104.C7.o5.gp	Method	AAT/GAP
Start	18435	End	19971
GI	85347_1.R1084	Score	1136
Exons	18435..18576, 19004..19082, 19199..19283, 19512..19558, 19664..19971		
GI Descrip.	'629592/pir||S42651 1.0e-39 hypothetical protein - rape >gi_6065752_emb_CAB58175.1_ (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]'		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o3.ts	Method	TBLASTX:Soybean
Start	4386	End	4840
GI	none	Score	150
Exons	4386..4604, 4484..4606, 4703..4840		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o2.tc	Method	TBLASTX:Cress
Start	4488	End	5239
GI	none	Score	99
Exons	4488..4604, 4718..4786, 4793..4843, 4865..5029, 5087..5239		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o1.tm	Method	TBLASTX:Maize
Start	4697	End	5496
GI	none	Score	760
Exons	4697..5437, 4697..4846, 4723..5283, 4871..5398, 5449..5496, 5450..5488		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o1.tw	Method	TBLASTX:Wheat
Start	4747	End	5020
GI	none	Score	307
Exons	4747..5019, 4748..5020		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o1.ts	Method	TBLASTX:Soybean
Start	4853	End	5874
GI	none	Score	401
Exons	4853..5428, 4937..5020, 5080..5283, 5680..5874, 5698..5865		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o3.tc	Method	TBLASTX:Cress

Start	9225	End	9532
GI	none	Score	64
Exons	9225..9266, 9234..9263, 9337..9531, 9338..9532		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o2.tm	Method	TBLASTX:Maize
Start	12337	End	13614
GI	none	Score	155
Exons	12337..12498, 12338..12502, 12341..12496, 12733..12990, 12738..13043, 12739..13029, 13021..13146, 13029..13142, 13030..13152, 13031..13153, 13114..13392, 13143..13349, 13144..13392, 13528..13614, 13561..13614		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o4.tm	Method	TBLASTX:Maize
Start	14966	End	15167
GI	none	Score	182
Exons	14966..15079, 14967..15095, 15093..15167		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o4.ts	Method	TBLASTX:Soybean
Start	15144	End	15623
GI	none	Score	83
Exons	15144..15344, 15348..15455, 15540..15623		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o3.tm	Method	TBLASTX:Maize
Start	17762	End	19264
GI	none	Score	106
Exons	17762..17854, 17763..17855, 17931..18182, 17948..17995, 18053..18175, 18257..18346, 18261..18341, 18404..18574, 18487..18579, 19005..19073, 19202..19264		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o1.tc	Method	TBLASTX:Cress
Start	17763	End	19822
GI	none	Score	112
Exons	17763..17855, 17768..17860, 17925..18182, 18261..18341, 18398..18484, 18485..18571, 19005..19082, 19654..19809, 19664..19822		

Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o2.ts	Method	TBLASTX:Soybean
Start	17769	End	19267
GI	none	Score	103

Exons	17769..17855, 17925..18182, 17948..17992, 18090..18173, 18257..18340, 18261..18341, 18404..18568, 18421..18570, 19020..19082, 19202..19267		
Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o5.tm	Method	TBLASTX:Maize
Start	19663	End	19820
GI	none	Score	185
Exons	19663..19815, 19664..19816, 19668..19820		
Seq. No.	17440	Seq. ID	OJ991206_17.0104.C7
Gene No.	36659	Strand	-
Start	20795	End	21287
Name	OJ991206_17.0104.C7.o5.gs	Method	GENSCAN
Start	20795	End	21287
GI	none	Score	.62
Exons	20795..20964, 21076..21287		
Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36660	Strand	+
Start	500	End	4382
Name	OJ991206_17.0104.C8.o1.gs	Method	GENSCAN
Start	500	End	1233
GI	none	Score	.53
Exons	500..671, 901..927, 1025..1233		
Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36660	Strand	+
Start	500	End	4382
Name	OJ991206_17.0104.C8.o1.np	Method	AAT/NAP
Start	554	End	3174
GI	629592	Score	643
Exons	554..671, 1025..1255, 1686..1765, 1907..2060, 2414..2492, 2591..2675, 2876..2922, 3010..3174		
GI Descrip.	hypothetical protein - rape gi|6065752|emb|CAB58175.1| (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		
Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36660	Strand	+
Start	500	End	4382
Name	OJ991206_17.0104.C8.o2.gs	Method	GENSCAN
Start	1942	End	4382
GI	none	Score	.83
Exons	1942..2060, 2414..2492, 4233..4382		
Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36661	Strand	+
Start	5214	End	7670
Name	OJ991206_17.0104.C8.o1.ts	Method	TBLASTX:Soybean
Start	587	End	6886
GI	none	Score	104
Exons	587..673, 1039..1224, 1227..1256, 1687..1791, 1905..2051, 1906..2052, 2430..2492, 2587..2658, 2588..2659, 6799..6885, 6800..6886		

Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36661	Strand	+
Start	5214	End	7670
Name	OJ991206_17.0104.C8.o1.tm	Method	TBLASTX:Maize
Start	1683	End	2046
GI	none	Score	126
Exons	1683..1766, 1687..1767, 1687..1782, 1902..2042, 1906..2046		

Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36661	Strand	+
Start	5214	End	7670
Name	OJ991206_17.0104.C8.o3.gs	Method	GENSCAN
Start	5214	End	7670
GI	none	Score	.45
Exons	5214..5311, 6718..6884, 7600..7670		

Seq. No.	17441	Seq. ID	OJ991206_17.0104.C8
Gene No.	36661	Strand	+
Start	5214	End	7670
Name	OJ991206_17.0104.C8.o2.np	Method	AAT/NAP
Start	6779	End	6884
GI	3451067	Score	92
Exons	6779..6884		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o1.np	Method	AAT/NAP
Start	2150	End	5050
GI	3451068	Score	350
Exons	2150..2495, 3014..3153, 3299..3504, 5021..5050		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o1.tc	Method	TBLASTX:Cress
Start	2262	End	3342
GI	none	Score	241
Exons	2262..2495, 2263..2496, 3071..3154, 3075..3155, 3298..3342		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o1.tm	Method	TBLASTX:Maize
Start	2262	End	3455
GI	none	Score	231
Exons	2262..2489, 2263..2496, 3075..3155, 3297..3455, 3298..3450		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o1.ts	Method	TBLASTX:Soybean
Start	2262	End	2502
GI	none	Score	261
Exons	2262..2501, 2263..2502		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o1.gs	Method	GENSCAN
Start	2329	End	3350
GI	none	Score	.73
Exons	2329..2495, 3074..3153, 3280..3350		

Seq. No.	17442	Seq. ID	OJ991206_17.0104.C9
Gene No.	36662	Strand	+
Start	2150	End	5879
Name	OJ991206_17.0104.C9.o2.np	Method	AAT/NAP
Start	4697	End	5879
GI	5734621	Score	257
Exons	4697..4919, 5077..5263, 5607..5879		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	17443	Seq. ID	OJ991206_17.0104.C10
Gene No.	36663	Strand	+
Start	1	End	656
Name	OJ991206_17.0104.C10.o1.np	Method	AAT/NAP
Start	1	End	656
GI	418604	Score	1123
Exons	1..656		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	17444	Seq. ID	OJ991026_16.0118.C2
Gene No.	36664	Strand	+
Start	1844	End	4051
Name	OJ991026_16.0118.C2.o1.gs	Method	GENSCAN
Start	1844	End	4051
GI	none	Score	.42
Exons	1844..1985, 2226..2308, 3209..3479, 3993..4051		

Seq. No.	17444	Seq. ID	OJ991026_16.0118.C2
Gene No.	36665	Strand	+
Start	4730	End	5056
Name	OJ991026_16.0118.C2.o2.gs	Method	GENSCAN
Start	4730	End	5056
GI	none	Score	.74
Exons	4730..5056		

Seq. No.	17444	Seq. ID	OJ991026_16.0118.C2
Gene No.	36666	Strand	+
Start	6039	End	6316
Name	OJ991026_16.0118.C2.o1.gp	Method	AAT/GAP
Start	6039	End	6316
GI	none	Score	363
Exons	6039..6316		

Seq. No.	17444	Seq. ID	OJ991026_16.0118.C2
Gene No.	36667	Strand	-
Start	6311	End	6757

Name	OJ991026_16.0118.C2.o3.gs	Method	GENSCAN
Start	6311	End	6757
GI	none	Score	.79
Exons	6311..6757		

Seq. No.	17445	Seq. ID	OJ991026_16.0118.C3
Gene No.	36668	Strand	-
Start	962	End	1745
Name	OJ991026_16.0118.C3.o1.gs	Method	GENSCAN
Start	962	End	1745
GI	none	Score	.66
Exons	962..1043, 1691..1745		

Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36669	Strand	-
Start	791	End	3722
Name	OJ991026_16.0118.C4.o1.gs	Method	GENSCAN
Start	791	End	3722
GI	none	Score	.9
Exons	791..1989, 2324..2472, 2784..2941, 3356..3500, 3598..3722		

Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36669	Strand	-
Start	791	End	3722
Name	OJ991026_16.0118.C4.o1.gp	Method	AAT/GAP
Start	1306	End	1863
GI	none	Score	1078
Exons	1306..1863		

Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36670	Strand	-
Start	4231	End	8426
Name	OJ991026_16.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	2034	End	3418
GI	none	Score	80
Exons	2034..2081, 2035..2088, 2035..2088, 2039..2092, 2323..2379, 2386..2472, 2388..2474, 2784..2960, 2784..2939, 2786..2941, 3344..3418		

Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36670	Strand	-
Start	4231	End	8426
Name	OJ991026_16.0118.C4.o2.gp	Method	AAT/GAP
Start	4231	End	8044
GI	11098_1.R1084	Score	2298
Exons	4231..4522, 4889..4958, 5119..5282, 5915..5968, 6353..6393, 6541..6633, 6723..6810, 7017..7070, 7153..7268, 7461..7538, 7668..7818, 7896..8044		
GI Descrip.	'2970556/gb|AAC05983.1| 2.0e-37 (AF049708) aspartokinase-homoserine dehydrogenase [Glycine max]'		

Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36670	Strand	-
Start	4231	End	8426
Name	OJ991026_16.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	4382	End	6736
GI	none	Score	93

Exons	4382..4522, 4388..4519, 4389..4523, 4390..4524, 4886..4957, 4887..4958, 4888..4959, 5116..5283, 5116..5280, 5118..5282, 5886..5969, 5912..5971, 5915..5986, 6540..6632, 6544..6633, 6545..6637, 6546..6635, 6716..6736		
Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36670	Strand	-
Start	4231	End	8426
Name	OJ991026_16.0118.C4.o2.gs	Method	GENSCAN
Start	4388	End	8006
GI	none	Score	.85
Exons	4388..4522, 4889..4958, 5119..5323, 6541..6633, 6723..6810, 7057..7070, 7125..7268, 7668..7818, 7896..8006		
Seq. No.	17446	Seq. ID	OJ991026_16.0118.C4
Gene No.	36670	Strand	-
Start	4231	End	8426
Name	OJ991026_16.0118.C4.o1.np	Method	AAT/NAP
Start	4394	End	8426
GI	113539	Score	221
Exons	4394..4522, 4889..4957, 5115..5282, 5915..5968, 6353..6393, 6541..6633, 6723..6810, 8386..8426		
GI Descrip.	BIFUNCTIONAL ASPARTOKINASE/HOMOSERINE DEHYDROGENASE I (AKI-HDI) [INCLUDES: ASPARTOKINASE ; HOMOSERINE DEHYDROGENASE] gi|66915|pir||DEECK thrA bifunctional enzyme - Escherichia coli		
Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36671	Strand	+
Start	4877	End	5113
Name	OJ991026_16.0118.C5.o2.gs	Method	GENSCAN
Start	4877	End	5113
GI	none	Score	.62
Exons	4877..5113		
Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36672	Strand	+
Start	5564	End	8768
Name	OJ991026_16.0118.C5.o3.gs	Method	GENSCAN
Start	5564	End	8768
GI	none	Score	.9
Exons	5564..5768, 6826..6939, 7299..8083, 8175..8768		
Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36672	Strand	+
Start	5564	End	8768
Name	OJ991026_16.0118.C5.o3.np	Method	AAT/NAP
Start	7404	End	8486
GI	6539555	Score	1119
Exons	7404..8083, 8175..8486		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		
Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36673	Strand	-
Start	125	End	3750
Name	OJ991026_16.0118.C5.o1.gs	Method	GENSCAN

Start	125	End	3750
GI	none	Score	.4
Exons	125..205, 534..652, 738..887, 1320..1380, 1543..1571, 3408..3750		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36673	Strand	-
Start	125	End	3750
Name	OJ991026_16.0118.C5.o1.np	Method	AAT/NAP
Start	146	End	3562
GI	4835789	Score	778
Exons	146..205, 362..448, 534..652, 738..976, 1077..1133, 1294..1380, 1543..2084, 3448..3562		
GI Descrip.	(AC007296) Strong similarity to gi|3367522 F8K4.9 from Arabidopsis thaliana BAC gb|AC004392. EST gb|W43487 comes from this gene.		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36673	Strand	-
Start	125	End	3750
Name	OJ991026_16.0118.C5.o2.np	Method	AAT/NAP
Start	1449	End	3668
GI	6910588	Score	666
Exons	1449..2084, 3448..3668		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36674	Strand	-
Start	9307	End	18180
Name	OJ991026_16.0118.C5.o4.gs	Method	GENSCAN
Start	9307	End	18086
GI	none	Score	.48
Exons	9307..9369, 10007..10235, 11457..12334, 14964..15050, 15134..15252, 15339..15448, 15892..15978, 16476..16687, 17787..18086		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36674	Strand	-
Start	9307	End	18180
Name	OJ991026_16.0118.C5.o1.gp	Method	AAT/GAP
Start	14580	End	15424
GI	23020_1.R1084	Score	873
Exons	14580..14800, 14964..15050, 15134..15252, 15339..15424		
GI Descrip.	'3367522 2.0e-27 (AC004392) EST gb_T04691 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36674	Strand	-
Start	9307	End	18180
Name	OJ991026_16.0118.C5.o4.np	Method	AAT/NAP
Start	14723	End	18059
GI	6910584	Score	1181
Exons	14723..14800, 15134..15252, 15339..15577, 15678..15734, 15892..15978, 16146..16687, 17787..18059		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36674	Strand	-

Start	9307	End	18180
Name	OJ991026_16.0118.C5.o2.gp	Method	AAT/GAP
Start	16475	End	18180
GI	60382_1.R1084	Score	1170
Exons	16475..16687, 17787..18180		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36675	Strand	-
Start	18487	End	18630
Name	OJ991026_16.0118.C5.o5.gs	Method	GENSCAN
Start	18487	End	18630
GI	none	Score	.73
Exons	18487..18630		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36676	Strand	-
Start	19507	End	19830
Name	OJ991026_16.0118.C5.o3.gp	Method	AAT/GAP
Start	19507	End	19830
GI	uC-osflcyp169f03b1	Score	300
Exons	19507..19538, 19616..19830		
GI Descrip.	'5441872/dbj|AP000366.1|AP000366 1.0e-17 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	125	End	16265
GI	none	Score	65
Exons	125..205, 129..206, 359..448, 360..452, 534..650, 534..653, 589..675, 733..975, 737..976, 771..977, 830..976, 1076..1132, 1077..1133, 1081..1134, 1082..1135, 1281..1379, 1294..1377, 1319..1384, 1543..1659, 1545..1661, 14702..14803, 14959..15054, 14961..15056, 14962..15051, 14963..15052, 15116..15250, 15129..15254, 15134..15253, 15334..15444, 15338..15577, 15339..15578, 15340..15579, 15502..15576, 15677..15733, 15678..15734, 15683..15736, 15892..15975, 15894..15980, 15894..15968, 16133..16264, 16134..16265		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	357	End	17964
GI	none	Score	118
Exons	357..455, 534..653, 733..975, 737..991, 1082..1132, 1082..1132, 1281..1379, 1294..1377, 1545..2084, 1546..1758, 1795..2082, 3430..3618, 3449..3601, 14961..15050, 14962..15051, 15134..15253, 15153..15254, 15328..15444, 15338..15592, 15479..15517, 15502..15576, 15683..15733, 15892..15975, 15894..15968, 16133..16687, 16149..16688, 17772..17951, 17788..17964		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5

Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	362	End	17948
GI -	none	Score	151
Exons	362..448, 537..692, 618..680, 733..975, 1296..1379, 1545..1661, 1704..2090, 1798..2082, 3430..3615, 14958..15050, 15137..15253, 15159..15254, 15334..15438, 15502..15576, 15894..15968, 16112..16693, 16401..16688, 17784..17948		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	1663	End	16696
GI	none	Score	349
Exons	1663..2031, 1665..2033, 2034..2090, 2035..2082, 16266..16634, 16268..16636, 16637..16696, 16638..16688		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	1953	End	16618
GI	none	Score	229
Exons	1953..2015, 8262..8543, 8405..8482, 16544..16618		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	3428	End	18074
GI	none	Score	203
Exons	3428..3613, 3430..3618, 3589..3639, 17772..17951, 17785..17970, 17859..17978, 17927..17977, 18024..18074		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o6.gs	Method	GENSCAN
Start	21202	End	21408
GI	none	Score	.5
Exons	21202..21408		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o5.np	Method	AAT/NAP
Start	21205	End	21465
GI	5091610	Score	351
Exons	21205..21465		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	17447	Seq. ID	OJ991026_16.0118.C5
Gene No.	36677	Strand	-
Start	21202	End	21465
Name	OJ991026_16.0118.C5.o4.tm	Method	TBLASTX:Maize

Start	21211	End	21465
GI	none	Score	88
Exons	21211..21372, 21212..21367, 21217..21372, 21353..21463, 21370..21465		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36678	Strand	+
Start	496	End	4153
Name	OJ991026_16.0118.C6.o1.gs	Method	GENSCAN
Start	496	End	4153
GI	none	Score	.8
Exons	496..547, 3082..3117, 3560..3707, 3733..4153		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36679	Strand	+
Start	8177	End	9479
Name	OJ991026_16.0118.C6.o1.gp	Method	AAT/GAP
Start	8063	End	9479
GI	1945280	Score	2517
Exons	8063..8309, 8443..9479		
GI Descrip.	1945281/emb|CAA72187| 1.0e-162 (Y11352) myb factor [Oryza sativa]		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36679	Strand	+
Start	8177	End	9479
Name	OJ991026_16.0118.C6.o3.gs	Method	GENSCAN
Start	8177	End	9245
GI	none	Score	.96
Exons	8177..8309, 8443..9245		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36679	Strand	+
Start	8177	End	9479
Name	OJ991026_16.0118.C6.o3.np	Method	AAT/NAP
Start	8177	End	9242
GI	1945281	Score	1662
Exons	8177..8309, 8443..9242		
GI Descrip.	(Y11352) myb factor [Oryza sativa]		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o1.np	Method	AAT/NAP
Start	3685	End	11954
GI	6815062	Score	825
Exons	3685..3744, 3953..4118, 4166..4193, 4484..4823, 4901..4951, 11916..11954		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o2.gs	Method	GENSCAN
Start	4554	End	6543

GI	none	Score	.52
Exons	4554..4823, 4901..4932, 4956..5344, 5426..6543		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	4939	End	5245
GI	none	Score	90
Exons	4939..5067, 4940..5023, 4976..5068, 5086..5241, 5120..5245, 5120..5242		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	8164	End	8668
GI	none	Score	67
Exons	8164..8241, 8164..8310, 8165..8311, 8432..8638, 8435..8569, 8439..8657, 8621..8668		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	8176	End	8882
GI	none	Score	249
Exons	8176..8310, 8177..8311, 8432..8671, 8436..8657, 8573..8662, 8820..8882		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	8176	End	8606
GI	none	Score	234
Exons	8176..8316, 8177..8317, 8436..8606, 8441..8599		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	8176	End	8642
GI	none	Score	81
Exons	8176..8241, 8176..8310, 8177..8311, 8432..8638, 8432..8638, 8436..8642		

Seq. No.	17448	Seq. ID	OJ991026_16.0118.C6
Gene No.	36680	Strand	-
Start	3685	End	11954
Name	OJ991026_16.0118.C6.o4.gs	Method	GENSCAN
Start	10320	End	11328
GI	none	Score	.83
Exons	10320..10330, 10365..10504, 11097..11328		

Seq. No.	17449	Seq. ID	OJ991026_16.0118.C7
Gene No.	36681	Strand	+

Start	1700	End	2901
Name	OJ991026_16.0118.C7.o1.gs	Method	GENSCAN
Start	1700	End	2901
GI	none	Score	.58
Exons	1700..1844, 2894..2901		

Seq. No.	17449	Seq. ID	OJ991026_16.0118.C7
Gene No.	36682	Strand	-
Start	4125	End	5915
Name	OJ991026_16.0118.C7.o2.np	Method	AAT/NAP
Start	4125	End	5915
GI	6685290	Score	428
Exons	4125..5045, 5082..5432, 5496..5915		
GI Descrip.	CDC45-RELATED PROTEIN gi|3789855 (AF062494) Cdc45 [Xenopus laevis]		

Seq. No.	17449	Seq. ID	OJ991026_16.0118.C7
Gene No.	36683	Strand	-
Start	8817	End	11678
Name	OJ991026_16.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	4118	End	4533
GI	none	Score	244
Exons	4118..4330, 4123..4233, 4125..4532, 4125..4532, 4126..4533		

Seq. No.	17449	Seq. ID	OJ991026_16.0118.C7
Gene No.	36683	Strand	-
Start	8817	End	11678
Name	OJ991026_16.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	5167	End	5342
GI	none	Score	183
Exons	5167..5301, 5169..5342		

Seq. No.	17449	Seq. ID	OJ991026_16.0118.C7
Gene No.	36683	Strand	-
Start	8817	End	11678
Name	OJ991026_16.0118.C7.o3.gs	Method	GENSCAN
Start	8817	End	11678
GI	none	Score	.65
Exons	8817..8893, 9371..9547, 9815..9838, 11621..11678		

Seq. No.	17450	Seq. ID	OJ991026_16.0118.C8
Gene No.	36684	Strand	-
Start	1166	End	1864
Name	OJ991026_16.0118.C8.o1.gp	Method	AAT/GAP
Start	1166	End	1864
GI	27824_1.R1084	Score	1351
Exons	1166..1864		
GI Descrip.	'4309732/gb|AAD15502| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17450	Seq. ID	OJ991026_16.0118.C8
Gene No.	36684	Strand	-
Start	1166	End	1864
Name	OJ991026_16.0118.C8.o1.np	Method	AAT/NAP
Start	1479	End	1789
GI	6539266	Score	225
Exons	1479..1789		

GI Descrip. (AC011765) hypothetical protein [Arabidopsis thaliana]

Seq. No.	17451	Seq. ID	OJ991026_16.0118.C9
Gene No.	36685	Strand	+
Start	1453	End	1907
Name	OJ991026_16.0118.C9.o1.gs	Method	GENSCAN
Start	1453	End	1907
GI	none	Score	.63
Exons	1453..1539, 1627..1684, 1870..1907		

Seq. No.	17452	Seq. ID	OJ991026_16.0118.C10
Gene No.	36686	Strand	-
Start	224	End	675
Name	OJ991026_16.0118.C10.o1.np	Method	AAT/NAP
Start	224	End	675
GI	4585884	Score	124
Exons	224..675		

GI Descrip. (AC005850) Hypothetical protein [Arabidopsis thaliana]

Seq. No.	17452	Seq. ID	OJ991026_16.0118.C10
Gene No.	36686	Strand	-
Start	224	End	675
Name	OJ991026_16.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	381	End	674
GI	none	Score	103
Exons	381..554, 383..520, 451..552, 560..673, 564..674, 564..674		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36687	Strand	+
Start	498	End	817
Name	OJ991026_16.0118.C12.o1.gs	Method	GENSCAN
Start	498	End	817
GI	none	Score	.89
Exons	498..570, 738..817		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36688	Strand	-
Start	160	End	588
Name	OJ991026_16.0118.C12.o1.np	Method	AAT/NAP
Start	160	End	588
GI	6539570	Score	185
Exons	160..227, 386..588		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36689	Strand	-
Start	715	End	801
Name	OJ991026_16.0118.C12.o2.np	Method	AAT/NAP
Start	715	End	801
GI	6630699	Score	88
Exons	715..801		

GI Descrip. (AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36690	Strand	-

Start	1511	End	2275
Name	OJ991026_16.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	1493	End	2275
GI	none	Score	82
Exons	1493..1591, 1713..1805, 1713..1802, 1714..1806, 1884..1967, 1939..2004, 2087..2275, 2091..2270		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36690	Strand	-
Start	1511	End	2275
Name	OJ991026_16.0118.C12.o2.gs	Method	GENSCAN
Start	1511	End	2201
GI	none	Score	.8
Exons	1511..1591, 1716..1802, 1884..2002, 2092..2201		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36690	Strand	-
Start	1511	End	2275
Name	OJ991026_16.0118.C12.o3.np	Method	AAT/NAP
Start	1514	End	2275
GI	6910584	Score	310
Exons	1514..1575, 1868..2002, 2092..2275		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36690	Strand	-
Start	1511	End	2275
Name	OJ991026_16.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	1596	End	2264
GI	none	Score	43
Exons	1596..1625, 1713..1802, 1714..1803, 1884..1967, 1926..2000, 2087..2263, 2091..2264		

Seq. No.	17453	Seq. ID	OJ991026_16.0118.C12
Gene No.	36690	Strand	-
Start	1511	End	2275
Name	OJ991026_16.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	1713	End	2216
GI	none	Score	61
Exons	1713..1802, 1713..1802, 1714..1806, 1884..1964, 1957..2004, 2087..2206, 2091..2216		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36691	Strand	+
Start	6403	End	6480
Name	OJ991026_16.0118.C13.o2.np	Method	AAT/NAP
Start	6403	End	6480
GI	6630699	Score	91
Exons	6403..6480		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36692	Strand	+
Start	13223	End	15583
Name	OJ991026_16.0118.C13.o5.gs	Method	GENSCAN

Start	13223	End	15583
GI	none	Score	.78
Exons	13223..13357, 13453..13510, 13696..13808, 14622..14737, 15008..15041, 15211..15396, 15482..15583		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36692	Strand	+
Start	13223	End	15583
Name	OJ991026_16.0118.C13.o2.gp	Method	AAT/GAP
Start	13324	End	13560
GI	568247	Score	202
Exons	13324..13357, 13453..13560		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36692	Strand	+
Start	13223	End	15583
Name	OJ991026_16.0118.C13.o3.gp	Method	AAT/GAP
Start	13592	End	14641
GI	none	Score	861
Exons	13592..13808, 14394..14641		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36692	Strand	+
Start	13223	End	15583
Name	OJ991026_16.0118.C13.o5.np	Method	AAT/NAP
Start	14610	End	15580
GI	6091761	Score	563
Exons	14610..14737, 14855..14909, 15008..15128, 15254..15396, 15482..15580		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36692	Strand	+
Start	13223	End	15583
Name	OJ991026_16.0118.C13.o4.gp	Method	AAT/GAP
Start	14713	End	15176
GI	LIB3434-014-P1-K1-A1	Score	759
Exons	14713..15176		
GI Descrip.	'6091761/gb|AAF03471.1|AC009327_10 6.0e-15 (AC009327) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36693	Strand	-
Start	1	End	3176
Name	OJ991026_16.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	3176
GI	6910588	Score	429
Exons	1..255, 2206..2441, 3002..3176		
GI Descrip.	(AC006424) CDS [Arabidopsis thaliana]		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36693	Strand	-
Start	1	End	3176
Name	OJ991026_16.0118.C13.o2.gs	Method	GENSCAN
Start	2176	End	2517
GI	none	Score	.99
Exons	2176..2517		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36694	Strand	-
Start	6400	End	6823
Name	OJ991026_16.0118.C13.o1.gp	Method	AAT/GAP
Start	6400	End	6823
GI	LIB3479-006-Q6-K1-B11	Score	678
Exons	6400..6823		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	16	End	2395
GI	none	Score	170
Exons	16..261, 35..253, 2191..2391, 2198..2395		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o2.tc	Method	TBLASTX:Cress
Start	22	End	2373
GI	none	Score	86
Exons	22..261, 34..249, 35..256, 2203..2373		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	22	End	11849
GI	none	Score	83
Exons	22..201, 22..204, 32..202, 205..264, 206..256, 11784..11849		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o4.tm	Method	TBLASTX:Maize
Start	2191	End	2386
GI	none	Score	228
Exons	2191..2385, 2204..2386		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o3.np	Method	AAT/NAP
Start	10094	End	15833
GI	4539369	Score	247
Exons	10094..10323, 11307..11629, 15784..15833		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o4.np	Method	AAT/NAP
Start	10144	End	13362

GI	728868	Score	106
Exons	10144..10323, 11307..11609, 13341..13362		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	14619	End	14912
GI	none	Score	193
Exons	14619..14738, 14619..14738, 14621..14752, 14635..14739, 14841..14912		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	14636	End	15139
GI	none	Score	195
Exons	14636..14749, 14637..14753, 14775..14915, 14781..14915, 14830..14916, 14831..14917, 14936..15136, 14944..15135, 14960..15139		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	15089	End	15600
GI	none	Score	60
Exons	15089..15133, 15097..15129, 15253..15396, 15253..15396, 15282..15398, 15476..15583, 15481..15600		

Seq. No.	17454	Seq. ID	OJ991026_16.0118.C13
Gene No.	36695	Strand	-
Start	10094	End	15833
Name	OJ991026_16.0118.C13.o3.tm	Method	TBLASTX:Maize
Start	15253	End	15619
GI	none	Score	182
Exons	15253..15396, 15253..15396, 15476..15619, 15481..15600, 15483..15605		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36696	Strand	+
Start	5551	End	7501
Name	OJ991026_16.0118.C14.o2.gs	Method	GENSCAN
Start	5551	End	7501
GI	none	Score	.55
Exons	5551..5653, 5673..5933, 7021..7067, 7195..7326, 7376..7501		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36697	Strand	+
Start	7926	End	11731
Name	OJ991026_16.0118.C14.o1.np	Method	AAT/NAP
Start	7926	End	11728

GI	6630696	Score	6546
Exons	7926..11728		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36697	Strand	+
Start	7926	End	11731
Name	OJ991026_16.0118.C14.o3.gs	Method	GENSCAN
Start	7926	End	8932
GI	none	Score	.8
Exons	7926..8673, 8784..8932		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36697	Strand	+
Start	7926	End	11731
Name	OJ991026_16.0118.C14.o1.gp	Method	AAT/GAP
Start	7968	End	8858
GI	101595_1.R1084	Score	1451
Exons	7968..8668, 8784..8858		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36697	Strand	+
Start	7926	End	11731
Name	OJ991026_16.0118.C14.o4.gs	Method	GENSCAN
Start	9794	End	11731
GI	none	Score	.5
Exons	9794..11731		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36698	Strand	+
Start	12437	End	12697
Name	OJ991026_16.0118.C14.o5.gs	Method	GENSCAN
Start	12437	End	12697
GI	none	Score	.5
Exons	12437..12697		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36699	Strand	-
Start	946	End	4646
Name	OJ991026_16.0118.C14.o1.gs	Method	GENSCAN
Start	946	End	4646
GI	none	Score	.88
Exons	946..1643, 3634..3710, 4084..4208, 4289..4377, 4622..4646		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o6.tm	Method	TBLASTX:Maize
Start	1144	End	4381
GI	none	Score	87
Exons	1144..1317, 1153..1317, 1166..1321, 1194..1325, 1440..1502, 1482..1640, 1544..1597, 1544..1642, 1546..1602, 1546..1644, 1552..1644, 1554..1640, 3629..3712, 3630..3713, 3642..3713,		

4083..4208, 4085..4129, 4286..4381, 4292..4378

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o4.tw	Method	TBLASTX:Wheat
Start	7820	End	8217
GI	none	Score	128
Exons	7820..7918, 7821..7955, 7932..8216, 8006..8197, 8035..8217, 8086..8217		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o5.tm	Method	TBLASTX:Maize
Start	7968	End	8276
GI	none	Score	313
Exons	7968..8276, 8015..8197, 8068..8211, 8097..8273		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	8799	End	9143
GI	none	Score	376
Exons	8799..9071, 8800..9072, 8801..9073, 8801..9073, 9102..9143		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o5.ts	Method	TBLASTX:Soybean
Start	9117	End	9497
GI	none	Score	88
Exons	9117..9266, 9249..9497		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o4.tm	Method	TBLASTX:Maize
Start	9255	End	9719
GI	none	Score	313
Exons	9255..9719, 9494..9712		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o5.tw	Method	TBLASTX:Wheat
Start	9362	End	9562
GI	none	Score	278
Exons	9362..9562, 9363..9560, 9370..9561		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o4.ts	Method	TBLASTX:Soybean
Start	9507	End	9728
GI	none	Score	207

Exons	9507..9728, 9509..9724		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o1.tw	Method	TBLASTX:Wheat
Start	9563	End	10309
GI	none	Score	210
Exons	9563..9853, 9563..9853, 9570..9854, 9574..9876, 9830..10309, 9850..10059, 10120..10305, 10127..10309		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	10229	End	10693
GI	5509260	Score	386
Exons	10229..10693, 10324..10485		
GI Descrip.	-		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o1.tc	Method	TBLASTX:Cress
Start	10322	End	10582
GI	none	Score	283
Exons	10322..10582, 10324..10494		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o2.tm	Method	TBLASTX:Maize
Start	10363	End	10828
GI	none	Score	361
Exons	10363..10494, 10364..10828, 10499..10579, 10615..10725		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o3.tw	Method	TBLASTX:Wheat
Start	10364	End	10909
GI	none	Score	311
Exons	10364..10708, 10381..10545, 10703..10909		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o2.ts	Method	TBLASTX:Soybean
Start	10762	End	11113
GI	none	Score	141
Exons	10762..10926, 10763..10921, 10921..11109, 10922..11110, 10931..11113		
Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o3.tm	Method	TBLASTX:Maize

Start	10889	End	11261
GI	none	Score	354
Exons	10889..11260, 10912..11259, 11013..11261		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o2.tw	Method	TBLASTX:Wheat
Start	11117	End	11592
GI	none	Score	102
Exons	11117..11191, 11122..11211, 11122..11190, 11206..11592, 11207..11590		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o3.ts	Method	TBLASTX:Soybean
Start	11123	End	11464
GI	none	Score	96
Exons	11123..11236, 11158..11226, 11255..11464, 11260..11385		

Seq. No.	17455	Seq. ID	OJ991026_16.0118.C14
Gene No.	36700	Strand	-
Start	13289	End	14583
Name	OJ991026_16.0118.C14.o6.gs	Method	GENSCAN
Start	13289	End	14583
GI	none	Score	.57
Exons	13289..13361, 14537..14583		

Seq. No.	17456	Seq. ID	OJ991026_16.0118.C15
Gene No.	36701	Strand	-
Start	368	End	1481
Name	OJ991026_16.0118.C15.o1.gs	Method	GENSCAN
Start	368	End	1481
GI	none	Score	.58
Exons	368..415, 1215..1481		

Seq. No.	17457	Seq. ID	OJ991026_16.0118.C16
Gene No.	36702	Strand	-
Start	1	End	617
Name	OJ991026_16.0118.C16.o1.gp	Method	AAT/GAP
Start	1	End	617
GI	27824_1.R1084	Score	1159
Exons	1..617		
GI Descrip.	'4309732/gb|AAD15502| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17457	Seq. ID	OJ991026_16.0118.C16
Gene No.	36702	Strand	-
Start	1	End	617
Name	OJ991026_16.0118.C16.o1.gs	Method	GENSCAN
Start	211	End	528
GI	none	Score	.76
Exons	211..528		

Seq. No.	17457	Seq. ID	OJ991026_16.0118.C16
Gene No.	36702	Strand	-

Start	1	End	617
Name	OJ991026_16.0118.C16.o1.np	Method	AAT/NAP
Start	232	End	542
GI	6539266	Score	225
Exons	232..542		
GI Descrip.	(AC011765) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17458	Seq. ID	OJ991026_16.0118.C17
Gene No.	36703	Strand	+
Start	138	End	195
Name	OJ991026_16.0118.C17.o1.gs	Method	GENSCAN
Start	138	End	195
GI	none	Score	.68
Exons	138..195		

Seq. No.	17459	Seq. ID	OJ991026_17.0118.C1
Gene No.	36704	Strand	+
Start	50	End	186
Name	OJ991026_17.0118.C1.o1.gs	Method	GENSCAN
Start	50	End	186
GI	none	Score	.48
Exons	50..186		

Seq. No.	17460	Seq. ID	OJ991026_17.0118.C2
Gene No.	36705	Strand	-
Start	1	End	468
Name	OJ991026_17.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	365
GI	6539555	Score	305
Exons	1..365		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	17460	Seq. ID	OJ991026_17.0118.C2
Gene No.	36705	Strand	-
Start	1	End	468
Name	OJ991026_17.0118.C2.o1.gs	Method	GENSCAN
Start	75	End	468
GI	none	Score	.7
Exons	75..468		

Seq. No.	17461	Seq. ID	OJ991026_17.0118.C3
Gene No.	36706	Strand	+
Start	1	End	96
Name	OJ991026_17.0118.C3.o1.gp	Method	AAT/GAP
Start	1	End	96
GI	21474_1.R1084	Score	172
Exons	1..96		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17462	Seq. ID	OJ991026_17.0118.C4
Gene No.	36707	Strand	+
Start	162	End	729
Name	OJ991026_17.0118.C4.o1.np	Method	AAT/NAP
Start	162	End	729

GI	4836913	Score	249
Exons	162..311, 351..729		
GI Descrip.	(AC007153) 64008 [Arabidopsis thaliana]		

Seq. No.	17462	Seq. ID	OJ991026_17.0118.C4
Gene No.	36707	Strand	+
Start	162	End	729
Name	OJ991026_17.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	502	End	711
GI	none	Score	202
Exons	502..681, 682..711		

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+
Start	1	End	1304
Name	OJ991026_17.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	1304
GI	2190557	Score	748
Exons	1..202, 350..473, 601..964, 1262..1304		
GI Descrip.	(AC001229) F5I14.11 [Arabidopsis thaliana]		

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+
Start	1	End	1304
Name	OJ991026_17.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	1	End	126
GI	none	Score	189
Exons	1..126, 1..126		

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+
Start	1	End	1304
Name	OJ991026_17.0118.C5.o1.gs	Method	GENSCAN
Start	52	End	961
GI	none	Score	.87
Exons	52..202, 350..473, 601..961		

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+
Start	1	End	1304
Name	OJ991026_17.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	138	End	808
GI	none	Score	99
Exons	138..212, 139..204, 348..479, 601..702	349..483, 599..808, 600..671,	

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+
Start	1	End	1304
Name	OJ991026_17.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	366	End	964
GI	none	Score	149
Exons	366..479, 367..483, 590..877, 901..963	601..837, 602..877, 899..964,	

Seq. No.	17463	Seq. ID	OJ991026_17.0118.C5
Gene No.	36708	Strand	+

Start	1	End	1304
Name	OJ991026_17.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	601	End	895
GI	none	Score	227
Exons	601..801, 602..895		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.gp	Method	AAT/GAP
Start	1	End	1524
GI	2310235	Score	285
Exons	1..66, 943..1082, 1493..1524		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	4680203	Score	1246
Exons	1..1082		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o2.tw	Method	TBLASTX:Wheat
Start	1	End	162
GI	none	Score	172
Exons	1..162, 3..161		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	3	End	297
GI	none	Score	74
Exons	3..290, 10..105, 145..297		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	3	End	209
GI	none	Score	73
Exons	3..188, 7..108, 15..209		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.gs	Method	GENSCAN
Start	12	End	1082
GI	none	Score	.58
Exons	12..1082		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	30	End	459
GI	none	Score	103
Exons	30..326, 43..294, 321..383, 376..459, 384..458		

Seq. No.	17464	Seq. ID	OJ991026_17.0118.C6
Gene No.	36709	Strand	-
Start	1	End	1524
Name	OJ991026_17.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	375	End	731
GI	none	Score	158
Exons	375..632, 380..631, 390..641, 391..633, 624..731		

Seq. No.	17465	Seq. ID	OJ991026_17.0118.C7
Gene No.	36710	Strand	+
Start	248	End	2341
Name	OJ991026_17.0118.C7.o1.gs	Method	GENSCAN
Start	248	End	2341
GI	none	Score	.47
Exons	248..331, 2217..2341		

Seq. No.	17466	Seq. ID	OJ991026_17.0118.C8
Gene No.	36711	Strand	-
Start	159	End	1871
Name	OJ991026_17.0118.C8.o1.np	Method	AAT/NAP
Start	113	End	1871
GI	6862923	Score	318
Exons	113..935, 1808..1871		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	17466	Seq. ID	OJ991026_17.0118.C8
Gene No.	36711	Strand	-
Start	159	End	1871
Name	OJ991026_17.0118.C8.o1.gs	Method	GENSCAN
Start	159	End	1183
GI	none	Score	.7
Exons	159..378, 441..1183		

Seq. No.	17466	Seq. ID	OJ991026_17.0118.C8
Gene No.	36711	Strand	-
Start	159	End	1871
Name	OJ991026_17.0118.C8.o1.ts	Method	TBLASTX:Soybean
Start	273	End	698
GI	none	Score	38
Exons	273..344, 347..493, 348..404, 473..661, 495..698		

Seq. No.	17466	Seq. ID	OJ991026_17.0118.C8
Gene No.	36711	Strand	-
Start	159	End	1871
Name	OJ991026_17.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	347	End	752
GI	none	Score	45
Exons	347..472, 348..401, 486..752, 488..751		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36712	Strand	-
Start	1	End	6276
Name	OJ991026_17.0118.C9.o1.np	Method	AAT/NAP
Start	1	End	6276
GI	2642158	Score	383
Exons	1..482, 5433..5543, 5604..5959, 6183..6276		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36712	Strand	-
Start	1	End	6276
Name	OJ991026_17.0118.C9.o1.gs	Method	GENSCAN
Start	75	End	956
GI	none	Score	.64
Exons	75..956		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36712	Strand	-
Start	1	End	6276
Name	OJ991026_17.0118.C9.o3.gs	Method	GENSCAN
Start	4908	End	5993
GI	none	Score	.99
Exons	4908..5993		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36713	Strand	-
Start	7508	End	9398
Name	OJ991026_17.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	15	End	8195
GI	none	Score	111
Exons	15..218, 306..479, 310..483, 4941..5183, 5235..5309, 5343..5414, 5736..5954, 5746..5928, 7514..7783, 7533..7691, 7827..8036, 7838..8032, 8085..8195		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36713	Strand	-
Start	7508	End	9398
Name	OJ991026_17.0118.C9.o1.ts	Method	TBLASTX:Soybean
Start	15	End	8033
GI	none	Score	111
Exons	15..218, 306..491, 313..483, 4941..5201, 5235..5306, 5343..5414, 7514..7783, 7836..8033, 7838..8032		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36713	Strand	-
Start	7508	End	9398
Name	OJ991026_17.0118.C9.o1.tc	Method	TBLASTX:Cress
Start	312	End	8030
GI	none	Score	75
Exons	312..515, 325..498, 5235..5309, 5343..5414, 5421..5489, 7838..8029, 7938..8030		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36713	Strand	-
Start	7508	End	9398
Name	OJ991026_17.0118.C9.o4.gs	Method	GENSCAN

Start	7508	End	8260
GI	none	Score	.81
Exons	7508..7952, 7987..8260		

Seq. No.	17467	Seq. ID	OJ991026_17.0118.C9
Gene No.	36713	Strand	-
Start	7508	End	9398
Name	OJ991026_17.0118.C9.o2.np	Method	AAT/NAP
Start	7514	End	9398
GI	4680501	Score	285
Exons	7514..8073, 9357..9398		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36714	Strand	+
Start	195	End	2539
Name	OJ991026_17.0118.C10.o1.gp	Method	AAT/GAP
Start	195	End	1202
GI	LIB3474-004-P1-K1-B9	Score	291
Exons	195..306, 1145..1202		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36714	Strand	+
Start	195	End	2539
Name	OJ991026_17.0118.C10.o1.gs	Method	GENSCAN
Start	195	End	2539
GI	none	Score	.71
Exons	195..306, 1145..1253, 2460..2539		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36715	Strand	-
Start	5955	End	8430
Name	OJ991026_17.0118.C10.o1.np	Method	AAT/NAP
Start	5955	End	8430
GI	4680500	Score	358
Exons	5955..6567, 8384..8430		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36715	Strand	-
Start	5955	End	8430
Name	OJ991026_17.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	5970	End	7033
GI	none	Score	100
Exons	5970..6221, 5986..6183, 6279..6539, 6280..6474, 6827..7033		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36715	Strand	-
Start	5955	End	8430
Name	OJ991026_17.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	5970	End	6540
GI	none	Score	99
Exons	5970..6239, 6016..6195, 6279..6539, 6307..6540		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10

Gene No.	36715	Strand	-
Start	5955	End	8430
Name	OJ991026_17.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	5970	End	6359
GI	none	Score	205
Exons	5970..6047, 6048..6359		

Seq. No.	17468	Seq. ID	OJ991026_17.0118.C10
Gene No.	36715	Strand	-
Start	5955	End	8430
Name	OJ991026_17.0118.C10.o1.tc	Method	TBLASTX:Cress
Start	6279	End	6536
GI	none	Score	96
Exons	6279..6536, 6280..6471		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o1.gs	Method	GENSCAN
Start	607	End	3733
GI	none	Score	.62
Exons	607..649, 816..1318, 3206..3733		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o1.np	Method	AAT/NAP
Start	1061	End	2862
GI	6862923	Score	110
Exons	1061..1243, 2817..2862		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	1062	End	3566
GI	none	Score	111
Exons	1062..1121, 3192..3482, 3280..3456, 3495..3554, 3495..3566		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	1062	End	3722
GI	none	Score	101
Exons	1062..1247, 1090..1248, 3210..3479, 3226..3456, 3477..3722, 3526..3672		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	1062	End	3711
GI	none	Score	93
Exons	1062..1238, 1090..1239, 3210..3476, 3223..3456, 3477..3680, 3526..3711		

Seq. No.	17469	Seq. ID	OJ991026_17.0118.C11
Gene No.	36716	Strand	-
Start	607	End	3892
Name	OJ991026_17.0118.C11.o2.np	Method	AAT/NAP
Start	2693	End	3892
GI	2642158	Score	273
Exons	2693..2809, 3185..3684, 3766..3892		
GI Descrip.	(AC003000) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36717	Strand	-
Start	128	End	2415
Name	OJ991026_17.0118.C12.o1.gs	Method	GENSCAN
Start	128	End	2415
GI	none	Score	.43
Exons	128..268, 2318..2415		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36718	Strand	-
Start	3393	End	4442
Name	OJ991026_17.0118.C12.o2.gs	Method	GENSCAN
Start	3393	End	4442
GI	none	Score	1
Exons	3393..4442		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36718	Strand	-
Start	3393	End	4442
Name	OJ991026_17.0118.C12.o1.np	Method	AAT/NAP
Start	3399	End	3953
GI	4680341	Score	268
Exons	3399..3953		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	3492	End	3881
GI	none	Score	82
Exons	3492..3674, 3711..3881, 3733..3870		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o3.gs	Method	GENSCAN
Start	5568	End	7788
GI	none	Score	.92
Exons	5568..5773, 6129..6298, 6553..6684, 6896..7044, 7175..7261, 7706..7788		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o1.gp	Method	AAT/GAP
Start	5921	End	7791

GI	31047_1.R1084	Score	1485
Exons	5921..6298, 6553..6684, 6896..7044, 7175..7261, 7706..7791		
GI Descrip.	'4185143 8.0e-68 (AC005724) putative signal recognition particle receptor beta subunit [Arabidopsis thaliana]'		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	6103	End	7816
GI	none	Score	163
Exons	6103..6297, 6105..6296, 6107..6298, 6113..6298, 6550..6684, 6552..6683, 6553..6687, 6889..7041, 6894..7046, 6895..7047, 7172..7264, 7175..7270, 7701..7796, 7703..7816, 7704..7805		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	6106	End	6966
GI	none	Score	100
Exons	6106..6294, 6122..6292, 6552..6683, 6556..6684, 6895..6966		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o2.ts	Method	TBLASTX:Soybean
Start	6109	End	7807
GI	none	Score	72
Exons	6109..6288, 6115..6297, 6116..6295, 6552..6683, 6556..6684, 6888..7040, 6889..7041, 6894..7046, 6895..7047, 7175..7270, 7686..7805, 7703..7795, 7706..7807		

Seq. No.	17470	Seq. ID	OJ991026_17.0118.C12
Gene No.	36719	Strand	-
Start	5568	End	7921
Name	OJ991026_17.0118.C12.o2.np	Method	AAT/NAP
Start	6112	End	7921
GI	4185143	Score	584
Exons	6112..6298, 6553..6684, 6896..7047, 7175..7261, 7706..7921		
GI Descrip.	(AC005724) putative signal recognition particle receptor beta subunit [Arabidopsis thaliana]		

Seq. No.	17471	Seq. ID	OJ991026_17.0118.C13
Gene No.	36720	Strand	-
Start	1	End	3384
Name	OJ991026_17.0118.C13.o1.np	Method	AAT/NAP
Start	1	End	1723
GI	6539570	Score	203
Exons	1..32, 1286..1352, 1521..1723		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	17471	Seq. ID	OJ991026_17.0118.C13
Gene No.	36720	Strand	-
Start	1	End	3384
Name	OJ991026_17.0118.C13.o1.gp	Method	AAT/GAP
Start	92	End	480

GI	31047_1.R1084	Score	507
Exons	92..223, 330..480		
GI Descrip.	'4185143 8.0e-68 (AC005724) putative signal recognition particle receptor beta subunit [Arabidopsis thaliana]'		

Seq. No.	17471	Seq. ID	OJ991026_17.0118.C13
Gene No.	36720	Strand	-
Start	1	End	3384
Name	OJ991026_17.0118.C13.o1.gs	Method	GENSCAN
Start	92	End	3171
GI	none	Score	.74
Exons	92..301, 330..536, 2677..2845, 3070..3171		

Seq. No.	17471	Seq. ID	OJ991026_17.0118.C13
Gene No.	36720	Strand	-
Start	1	End	3384
Name	OJ991026_17.0118.C13.o2.np	Method	AAT/NAP
Start	1850	End	3194
GI	6630699	Score	82
Exons	1850..1928, 3166..3194		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	17471	Seq. ID	OJ991026_17.0118.C13
Gene No.	36720	Strand	-
Start	1	End	3384
Name	OJ991026_17.0118.C13.o3.np	Method	AAT/NAP
Start	2792	End	3384
GI	5042454	Score	237
Exons	2792..2845, 3070..3384		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	3889
GI	5042454	Score	3293
Exons	1..45, 201..407, 600..917, 1549..3258, 3315..3421, 3740..3889		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o1.gs	Method	GENSCAN
Start	24	End	3866
GI	none	Score	.54
Exons	24..653, 827..921, 926..1028, 1247..1373, 1585..1825, 1911..3314, 3351..3519, 3744..3866		

Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o2.tw	Method	TBLASTX:Wheat
Start	72	End	339
GI	none	Score	156

Exons	72..338, 76..339		
Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o1.gp	Method	AAT/GAP
Start	951	End	1408
GI	2428323	Score	640
Exons	951..1408		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		
Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o2.tm	Method	TBLASTX:Maize
Start	1548	End	1691
GI	none	Score	120
Exons	1548..1691, 1552..1686		
Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o1.tw	Method	TBLASTX:Wheat
Start	2194	End	2746
GI	none	Score	90
Exons	2194..2451, 2228..2467, 2434..2532, 2435..2527, 2539..2586, 2711..2746		
Seq. No.	17472	Seq. ID	OJ991026_17.0118.C14
Gene No.	36721	Strand	-
Start	1	End	3889
Name	OJ991026_17.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	2296	End	2544
GI	none	Score	77
Exons	2296..2544, 2297..2446		
Seq. No.	17473	Seq. ID	OJ991026_17.0118.C15
Gene No.	36722	Strand	-
Start	540	End	1583
Name	OJ991026_17.0118.C15.o1.gs	Method	GENSCAN
Start	540	End	1583
GI	none	Score	.72
Exons	540..691, 796..852, 1328..1446, 1576..1583		
Seq. No.	17474	Seq. ID	OJ991026_17.0118.C17
Gene No.	36723	Strand	-
Start	358	End	1133
Name	OJ991026_17.0118.C17.o1.gs	Method	GENSCAN
Start	358	End	1125
GI	none	Score	.87
Exons	358..1125		
Seq. No.	17474	Seq. ID	OJ991026_17.0118.C17
Gene No.	36723	Strand	-
Start	358	End	1133
Name	OJ991026_17.0118.C17.o1.np	Method	AAT/NAP

Start	360	End	1133
GI	4688596	Score	746
Exons	360..1133		
GI Descrip.	(AJ005682) inositol 1,4,5-trisphosphate 5-phosphatase [Arabidopsis thaliana]		

Seq. No.	17474	Seq. ID	OJ991026_17.0118.C17
Gene No.	36723	Strand	-
Start	358	End	1133
Name	OJ991026_17.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	478	End	903
GI	none	Score	74
Exons	478..594, 479..595, 571..903, 572..889, 574..894, 594..896		

Seq. No.	17475	Seq. ID	OJ991026_17.0118.C18
Gene No.	36724	Strand	+
Start	1149	End	4748
Name	OJ991026_17.0118.C18.o1.gs	Method	GENSCAN
Start	1149	End	4748
GI	none	Score	.55
Exons	1149..1167, 2714..2803, 2940..3028, 3318..3413, 3621..3906, 4585..4748		

Seq. No.	17475	Seq. ID	OJ991026_17.0118.C18
Gene No.	36725	Strand	+
Start	5612	End	6011
Name	OJ991026_17.0118.C18.o2.gs	Method	GENSCAN
Start	5612	End	6011
GI	none	Score	.89
Exons	5612..5696, 5887..6011		

Seq. No.	17475	Seq. ID	OJ991026_17.0118.C18
Gene No.	36726	Strand	-
Start	8252	End	8569
Name	OJ991026_17.0118.C18.o3.gs	Method	GENSCAN
Start	8252	End	8569
GI	none	Score	.87
Exons	8252..8569		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36727	Strand	+
Start	142	End	1831
Name	OJ991026_17.0118.C19.o1.np	Method	AAT/NAP
Start	142	End	1831
GI	5123939	Score	534
Exons	142..765, 1624..1831		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36727	Strand	+
Start	142	End	1831
Name	OJ991026_17.0118.C19.o1.gs	Method	GENSCAN
Start	148	End	1801
GI	none	Score	.82
Exons	148..765, 1624..1801		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19

Gene No.	36728	Strand	-
Start	1717	End	1831
Name	OJ991026_17.0118.C19.o1.ts	Method	TBLASTX:Soybean
Start	232	End	1830
GI	none	Score	124
Exons	232..399, 565..711, 1621..1788, 1626..1802, 1626..1823, 1627..1830		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36728	Strand	-
Start	1717	End	1831
Name	OJ991026_17.0118.C19.o2.tc	Method	TBLASTX:Cress
Start	232	End	633
GI	none	Score	261
Exons	232..633, 366..482		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36728	Strand	-
Start	1717	End	1831
Name	OJ991026_17.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	270	End	1830
GI	none	Score	52
Exons	270..458, 283..312, 366..458, 367..459, 444..515, 445..516, 520..603, 604..657, 604..687, 674..766, 674..715, 1606..1830, 1628..1828, 1629..1829		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36728	Strand	-
Start	1717	End	1831
Name	OJ991026_17.0118.C19.o1.tc	Method	TBLASTX:Cress
Start	1613	End	1830
GI	none	Score	84
Exons	1613..1675, 1614..1820, 1620..1748, 1621..1830		

Seq. No.	17476	Seq. ID	OJ991026_17.0118.C19
Gene No.	36728	Strand	-
Start	1717	End	1831
Name	OJ991026_17.0118.C19.o1.gp	Method	AAT/GAP
Start	1717	End	1831
GI	5447_1.R1084	Score	206
Exons	1717..1831		
GI Descrip.	'5123939/emb|CAB45497.1| 8.0e-47 (AL079349) putative protein [Arabidopsis thaliana]'		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36729	Strand	+
Start	5405	End	15503
Name	OJ991026_17.0118.C21.o3.np	Method	AAT/NAP
Start	5405	End	15503
GI	2129478	Score	134
Exons	5405..5635, 7778..7885, 8069..8101, 11514..11570, 12712..12750, 13125..13203, 15452..15503		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21

Gene No.	36729	Strand	+
Start	5405	End	15503
Name	OJ991026_17.0118.C21.o2.gs	Method	GENSCAN
Start	8028	End	11879
GI	none	Score	.76
Exons	8028..8114, 8196..8255, 9303..9400, 9652..9698, 10726..10884, 10998..11176, 11435..11578, 11778..11879		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36729	Strand	+
Start	5405	End	15503
Name	OJ991026_17.0118.C21.o4.np	Method	AAT/NAP
Start	8028	End	11885
GI	6143904	Score	1030
Exons	8028..8114, 8196..8255, 9318..9400, 9652..9811, 9984..10113, 10726..10884, 10998..11176, 11270..11350, 11429..11578, 11778..11885		
GI Descrip.	(AC010718) putative DnaJ protein [Arabidopsis thaliana]		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36730	Strand	-
Start	469	End	5650
Name	OJ991026_17.0118.C21.o1.gs	Method	GENSCAN
Start	469	End	5650
GI	none	Score	.82
Exons	469..571, 829..895, 1072..1193, 1400..1483, 1670..1766, 1862..1904, 3098..3118, 4070..4436, 4532..4688, 5263..5650		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36730	Strand	-
Start	469	End	5650
Name	OJ991026_17.0118.C21.o1.np	Method	AAT/NAP
Start	472	End	2385
GI	2864612	Score	476
Exons	472..571, 1080..1193, 1400..1483, 1670..1766, 2283..2385		
GI Descrip.	(AL021811) L-ascorbate peroxidase - like protein [Arabidopsis thaliana] gi|4049334|emb|CAA22559.1| (AL034567) L-ascorbate peroxidase-like protein [Arabidopsis thaliana]		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36730	Strand	-
Start	469	End	5650
Name	OJ991026_17.0118.C21.o2.np	Method	AAT/NAP
Start	4028	End	5650
GI	6850314	Score	1022
Exons	4028..4436, 4532..4688, 5263..5650		
GI Descrip.	(AC009999) Contains similarity to a basic endochitinase from Arabidopis thaliana gb|AB023448, and contains a Chitinases class I PF|00182 domain. ESTs gb|AI995747, gb|AA728545, gb|Z26222, gb|Z25683, gb|T88386, gb|T1...		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36731	Strand	-
Start	11546	End	13758
Name	OJ991026_17.0118.C21.o5.np	Method	AAT/NAP
Start	11546	End	13758
GI	6862923	Score	394

Exons	11546..11593, 12401..12450, 12549..13557, 13642..13758		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o1.tc	Method	TBLASTX:Cress
Start	4033	End	5533
GI	none	Score	235
Exons	4033..4272, 4083..4352, 4088..4372, 4110..4382, 4355..4444, 4356..4397, 4531..4587, 4532..4588, 4585..4695, 4597..4683, 5261..5428, 5262..5405, 5423..5500, 5504..5533		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o1.ts	Method	TBLASTX:Soybean
Start	4034	End	5533
GI	none	Score	309
Exons	4034..4093, 4094..4444, 4095..4436, 4531..4587, 4541..4588, 4600..4683, 4605..4658, 4649..4678, 5261..5428, 5262..5414, 5423..5500, 5445..5492, 5486..5533		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o1.tm	Method	TBLASTX:Maize
Start	4037	End	5539
GI	none	Score	339
Exons	4037..4444, 4053..4403, 4346..4438, 4531..4683, 4532..4588, 4649..4687, 5261..5344, 5261..5428, 5265..5414, 5423..5539, 5424..5504		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o2.tc	Method	TBLASTX:Cress
Start	8027	End	11350
GI	none	Score	140
Exons	8027..8113, 8028..8126, 8193..8258, 8195..8257, 9309..9413, 9323..9400, 9653..9808, 9662..9787, 9987..10064, 10056..10109, 10751..10885, 10752..10886, 10758..10922, 10991..11179, 10996..11181, 11017..11187, 11270..11350		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o3.tw	Method	TBLASTX:Wheat
Start	8027	End	9392
GI	none	Score	133
Exons	8027..8119, 8028..8126, 8193..8255, 8195..8257, 9311..9391, 9315..9392		
Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o2.ts	Method	TBLASTX:Soybean

Start	8027	End	11864
GI	none	Score	133
Exons	8027..8110, 8028..8126, 8193..8258, 8195..8257, 9309..9413, 9323..9400, 9649..9681, 9653..9811, 9653..9808, 9664..9813, 9696..9812, 9964..10071, 9978..10118, 10011..10115, 10709..10885, 10716..10892, 10991..11179, 10996..11181, 11270..11350, 11765..11863, 11771..11863, 11778..11864		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o2.tm	Method	TBLASTX:Maize
Start	8027	End	11954
GI	none	Score	126
Exons	8027..8119, 8028..8114, 8045..8119, 8193..8255, 8195..8257, 8207..8257, 9311..9400, 9315..9413, 9649..9681, 9653..9814, 9656..9811, 9760..9813, 9978..10118, 9982..10113, 10721..10885, 10722..10892, 10722..10910, 10991..11179, 10996..11187, 10996..11178, 11268..11351, 11270..11350, 11436..11534, 11437..11532, 11777..11824, 11778..11834, 11822..11950, 11831..11884, 11931..11954		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o2.tw	Method	TBLASTX:Wheat
Start	10724	End	11038
GI	none	Score	98
Exons	10724..10885, 10724..10885, 10725..10892, 10985..11038, 10996..11037		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o1.tw	Method	TBLASTX:Wheat
Start	11045	End	11830
GI	none	Score	182
Exons	11045..11176, 11046..11177, 11047..11178, 11048..11179, 11270..11350, 11270..11350, 11438..11527, 11439..11552, 11440..11550, 11777..11830, 11778..11816		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o3.tm	Method	TBLASTX:Maize
Start	12581	End	14983
GI	none	Score	94
Exons	12581..12811, 12583..12816, 12868..13122, 12872..13057, 13339..13485, 14912..14983		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o3.ts	Method	TBLASTX:Soybean
Start	12583	End	15081
GI	none	Score	71
Exons	12583..12816, 12611..12811, 12868..13122, 12875..13114,		

14912..14983, 14984..15064, 14989..15081

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o3.tc	Method	TBLASTX:Cress
Start	12868	End	15063
GI	none	Score	95
Exons	12868..13122, 12887..13123, 14989..15063		

Seq. No.	17477	Seq. ID	OJ991026_17.0118.C21
Gene No.	36732	Strand	-
Start	14900	End	15384
Name	OJ991026_17.0118.C21.o4.gs	Method	GENSCAN
Start	14900	End	15384
GI	none	Score	.72
Exons	14900..15141, 15309..15384		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o1.gs	Method	GENSCAN
Start	16	End	2541
GI	none	Score	.46
Exons	16..2541		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o1.np	Method	AAT/NAP
Start	283	End	5780
GI	5441880	Score	4723
Exons	283..1288, 1733..1764, 2023..2339, 2899..3048, 3154..3490, 4077..4375, 4452..4710, 4955..5052, 5299..5430, 5546..5780		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o1.gp	Method	AAT/GAP
Start	887	End	1318
GI	5701669	Score	849
Exons	887..1318		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o2.gs	Method	GENSCAN
Start	2900	End	6059
GI	none	Score	.81
Exons	2900..3048, 3154..3400, 3575..3985, 4077..4375, 4452..4710, 4803..4985, 5143..5198, 5299..5430, 5494..5541, 5561..5763,		

5899..6059

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o2.gp	Method	AAT/GAP
Start	4203	End	4702
GI	LIB3475-007-P1-K1-G8	Score	781
Exons	4203..4375, 4452..4702		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o3.gp	Method	AAT/GAP
Start	5884	End	7700
GI	LIB3431-045-P1-N1-A10	Score	822
Exons	5884..6228, 7592..7700		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36733	Strand	+
Start	16	End	8107
Name	OJ991026_17.0118.C22.o3.gs	Method	GENSCAN
Start	6286	End	8107
GI	none	Score	.7
Exons	6286..6288, 6472..6630, 7967..8107		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36734	Strand	+
Start	10336	End	10427
Name	OJ991026_17.0118.C22.o4.gp	Method	AAT/GAP
Start	10336	End	10427
GI	21474_1.R1084	Score	139
Exons	10336..10427		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36735	Strand	-
Start	9240	End	10381
Name	OJ991026_17.0118.C22.o2.np	Method	AAT/NAP
Start	9155	End	10381
GI	6862923	Score	332
Exons	9155..10381		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36735	Strand	-
Start	9240	End	10381
Name	OJ991026_17.0118.C22.o4.gs	Method	GENSCAN
Start	9240	End	10319
GI	none	Score	.88
Exons	9240..10319		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o1.tm	Method	TBLASTX:Maize
Start	844	End	1440
GI	none	Score	93
Exons	844..972, 852..950, 1006..1305, 1023..1244, 1369..1440		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o1.tw	Method	TBLASTX:Wheat
Start	1138	End	1518
GI	none	Score	208
Exons	1138..1332, 1147..1344, 1338..1457, 1342..1518, 1342..1488		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o1.ts	Method	TBLASTX:Soybean
Start	9267	End	9843
GI	none	Score	77
Exons	9267..9479, 9286..9474, 9588..9842, 9595..9843		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o2.tm	Method	TBLASTX:Maize
Start	9267	End	9843
GI	none	Score	73
Exons	9267..9479, 9292..9459, 9576..9842, 9592..9843		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o1.tc	Method	TBLASTX:Cress
Start	9594	End	9843
GI	none	Score	98
Exons	9594..9842, 9685..9843		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o5.gs	Method	GENSCAN
Start	10756	End	12336
GI	none	Score	.88
Exons	10756..10941, 11021..11119, 11214..11286, 11371..11481, 11578..11751, 11861..12033, 12112..12336		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o2.tw	Method	TBLASTX:Wheat
Start	11412	End	11919
GI	none	Score	68
Exons	11412..11483, 11583..11765, 11590..11715, 11854..11919		

Seq. No.	17478	Seq. ID	OJ991026_17.0118.C22
Gene No.	36736	Strand	-
Start	10756	End	12492
Name	OJ991026_17.0118.C22.o5.gp	Method	AAT/GAP
Start	11961	End	12492
GI	uC-osflcyp176f10b1	Score	825
Exons	11961..12492		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	17479	Seq. ID	OJ991026_17.0118.C23
Gene No.	36737	Strand	-
Start	1	End	1572
Name	OJ991026_17.0118.C23.o1.np	Method	AAT/NAP
Start	1	End	1572
GI	4680204	Score	721
Exons	1..61, 136..1572		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	17479	Seq. ID	OJ991026_17.0118.C23
Gene No.	36737	Strand	-
Start	1	End	1572
Name	OJ991026_17.0118.C23.o1.gs	Method	GENSCAN
Start	136	End	1557
GI	none	Score	.7
Exons	136..255, 301..466, 824..1203, 1222..1557		

Seq. No.	17479	Seq. ID	OJ991026_17.0118.C23
Gene No.	36737	Strand	-
Start	1	End	1572
Name	OJ991026_17.0118.C23.o1.tw	Method	TBLASTX:Wheat
Start	526	End	929
GI	none	Score	42
Exons	526..621, 526..696, 659..826, 691..927, 778..927, 789..929, 819..929		

Seq. No.	17480	Seq. ID	OJ991026_17.0118.C24
Gene No.	36738	Strand	-
Start	1	End	768
Name	OJ991026_17.0118.C24.o1.np	Method	AAT/NAP
Start	1	End	768
GI	6742729	Score	1231
Exons	1..768		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	17480	Seq. ID	OJ991026_17.0118.C24
Gene No.	36738	Strand	-
Start	1	End	768
Name	OJ991026_17.0118.C24.o2.tw	Method	TBLASTX:Wheat
Start	1	End	185
GI	none	Score	160
Exons	1..183, 2..184, 3..185		

Seq. No.	17480	Seq. ID	OJ991026_17.0118.C24
Gene No.	36738	Strand	-

Start	1	End	768
Name	OJ991026_17.0118.C24.o1.tw	Method	TBLASTX:Wheat
Start	186	End	635
GI	none	Score	113
Exons	186..311, 188..316, 188..310, 572..634, 585..635	343..555, 344..562, 384..566,	

Seq. No.	17481	Seq. ID	OJ991026_17.0118.C25
Gene No.	36739	Strand	-
Start	16	End	534
Name	OJ991026_17.0118.C25.o1.gs	Method	GENSCAN
Start	16	End	534
GI	none	Score	.71
Exons	16..350, 436..534		

Seq. No.	17481	Seq. ID	OJ991026_17.0118.C25
Gene No.	36740	Strand	-
Start	718	End	1355
Name	OJ991026_17.0118.C25.o1.gp	Method	AAT/GAP
Start	718	End	1355
GI	342_1.R1084	Score	1034
Exons	718..1355		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	17482	Seq. ID	OJ991026_17.0118.C26
Gene No.	36741	Strand	-
Start	63	End	234
Name	OJ991026_17.0118.C26.o1.gs	Method	GENSCAN
Start	63	End	234
GI	none	Score	.81
Exons	63..234		

Seq. No.	17483	Seq. ID	OJ991026_17.0118.C28
Gene No.	36742	Strand	+
Start	1	End	111
Name	OJ991026_17.0118.C28.o1.gp	Method	AAT/GAP
Start	1	End	111
GI	LIB3474-004-P1-K1-B9	Score	201
Exons	1..111		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	17484	Seq. ID	OJ991026_13.0118.C1
Gene No.	36743	Strand	+
Start	1	End	282
Name	OJ991026_13.0118.C1.o1.gp	Method	AAT/GAP
Start	1	End	282
GI	4715626	Score	564
Exons	1..282		
GI Descrip.	2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	17484	Seq. ID	OJ991026_13.0118.C1
Gene No.	36743	Strand	+
Start	1	End	282
Name	OJ991026_13.0118.C1.o1.np	Method	AAT/NAP

Start	1	End	282
GI	2618698	Score	322
Exons	1..282		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	17484	Seq. ID	OJ991026_13.0118.C1
Gene No.	36743	Strand	+
Start	1	End	282
Name	OJ991026_13.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	168	End	281
GI	none	Score	193
Exons	168..281, 169..279		

Seq. No.	17485	Seq. ID	OJ991026_13.0118.C3
Gene No.	36744	Strand	+
Start	205	End	673
Name	OJ991026_13.0118.C3.o1.gs	Method	GENSCAN
Start	205	End	600
GI	none	Score	.42
Exons	205..600		

Seq. No.	17485	Seq. ID	OJ991026_13.0118.C3
Gene No.	36744	Strand	+
Start	205	End	673
Name	OJ991026_13.0118.C3.o1.np	Method	AAT/NAP
Start	271	End	673
GI	5042448	Score	646
Exons	271..673		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4
Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	627
GI	4105798	Score	150
Exons	1..86, 212..294, 415..523, 589..627		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4
Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	43	End	507
GI	none	Score	81
Exons	43..87, 44..88, 198..293, 211..294, 412..507, 414..506		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4
Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	43	End	525
GI	none	Score	87
Exons	43..87, 44..88, 198..293, 210..293, 211..294, 412..525, 414..506		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4

Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	43	End	498
GI	none	Score	85
Exons	43..87, 44..88, 198..293, 211..294, 412..498, 414..494		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4
Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	43	End	527
GI	none	Score	85
Exons	43..87, 44..88, 198..293, 211..294, 412..525, 414..527, 450..527		

Seq. No.	17486	Seq. ID	OJ991026_13.0118.C4
Gene No.	36745	Strand	+
Start	1	End	627
Name	OJ991026_13.0118.C4.o1.gs	Method	GENSCAN
Start	212	End	294
GI	none	Score	.91
Exons	212..294		

Seq. No.	17487	Seq. ID	OJ991026_13.0118.C5
Gene No.	36746	Strand	+
Start	225	End	427
Name	OJ991026_13.0118.C5.o1.gp	Method	AAT/GAP
Start	225	End	427
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	225..249, 363..427		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17487	Seq. ID	OJ991026_13.0118.C5
Gene No.	36747	Strand	-
Start	459	End	659
Name	OJ991026_13.0118.C5.o1.np	Method	AAT/NAP
Start	459	End	659
GI	6735314	Score	105
Exons	459..551, 640..659		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	17488	Seq. ID	OJ991026_13.0118.C8
Gene No.	36748	Strand	+
Start	4389	End	5840
Name	OJ991026_13.0118.C8.o1.np	Method	AAT/NAP
Start	4389	End	5840
GI	6539588	Score	105
Exons	4389..4662, 5682..5840		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	17488	Seq. ID	OJ991026_13.0118.C8
Gene No.	36749	Strand	-
Start	1256	End	5647
Name	OJ991026_13.0118.C8.o1.gs	Method	GENSCAN
Start	1256	End	5647

GI	none	Score	.41
Exons	1256..1293, 2615..2697, 3185..3261, 4435..4623, 5432..5647		

Seq. No.	17489	Seq. ID	OJ991026_13.0118.C9
Gene No.	36750	Strand	-
Start	89	End	1461
Name	OJ991026_13.0118.C9.o1.gs	Method	GENSCAN
Start	89	End	1461
GI	none	Score	.88
Exons	89..237, 269..481, 1341..1461		

Seq. No.	17489	Seq. ID	OJ991026_13.0118.C9
Gene No.	36751	Strand	-
Start	3256	End	5238
Name	OJ991026_13.0118.C9.o2.gs	Method	GENSCAN
Start	3256	End	5238
GI	none	Score	.63
Exons	3256..3301, 4042..4369, 5181..5238		

Seq. No.	17489	Seq. ID	OJ991026_13.0118.C9
Gene No.	36752	Strand	-
Start	6245	End	7362
Name	OJ991026_13.0118.C9.o3.gs	Method	GENSCAN
Start	6245	End	7362
GI	none	Score	.49
Exons	6245..6306, 6327..6404, 6661..6956, 7232..7362		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36753	Strand	+
Start	580	End	887
Name	OJ991026_13.0118.C10.o1.gs	Method	GENSCAN
Start	580	End	887
GI	none	Score	.75
Exons	580..585, 699..887		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36754	Strand	+
Start	10405	End	10967
Name	OJ991026_13.0118.C10.o5.gs	Method	GENSCAN
Start	10405	End	10967
GI	none	Score	.81
Exons	10405..10560, 10665..10967		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36755	Strand	+
Start	11764	End	11920
Name	OJ991026_13.0118.C10.o2.np	Method	AAT/NAP
Start	11764	End	11920
GI	6006370	Score	71
Exons	11764..11920		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o2.tw	Method	TBLASTX:Wheat
Start	1738	End	2027

GI	none	Score	73
Exons	1738..1860, 1743..1889, 1750..1890, 1871..1930, 1902..2027, 1903..2022		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o1.np	Method	AAT/NAP
Start	1746	End	9272
GI	3970689	Score	679
Exons	1746..2033, 2260..2508, 5183..5318, 5424..5642, 5777..6152, 8057..8311, 9128..9272		
GI Descrip.	(Y18484) (+)-delta-cadinene synthase [Gossypium arboreum]		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o2.tm	Method	TBLASTX:Maize
Start	1759	End	2092
GI	none	Score	286
Exons	1759..2034, 1761..2033, 1765..2034, 1904..2092		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	2260	End	6135
GI	none	Score	44
Exons	2260..2325, 2272..2328, 2292..2489, 2311..2529, 2312..2509, 5172..5306, 5172..5306, 5173..5307, 5186..5314, 5421..5642, 5423..5644, 5425..5643, 5758..5859, 5765..5857, 5775..5873, 5863..5967, 5864..5962, 5986..6135, 5990..6133		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o1.ts	Method	TBLASTX:Soybean
Start	5225	End	5898
GI	none	Score	92
Exons	5225..5317, 5423..5641, 5776..5898		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	6696	End	7115
GI	none	Score	194
Exons	6696..6911, 6957..7115		

Seq. No.	17490	Seq. ID	OJ991026_13.0118.C10
Gene No.	36756	Strand	-
Start	1746	End	9900
Name	OJ991026_13.0118.C10.o4.gs	Method	GENSCAN
Start	8046	End	9900
GI	none	Score	.69
Exons	8046..8230, 8268..8315, 9292..9317, 9785..9900		

Seq. No.	17491	Seq. ID	OJ991026_13.0118.C11
Gene No.	36757	Strand	+
Start	41	End	466
Name	OJ991026_13.0118.C11.o1.gs	Method	GENSCAN
Start	41	End	466
GI	none	Score	.84
Exons	41..466		

Seq. No.	17492	Seq. ID	OJ991026_13.0118.C12
Gene No.	36758	Strand	+
Start	1270	End	4709
Name	OJ991026_13.0118.C12.o1.gs	Method	GENSCAN
Start	1270	End	4709
GI	none	Score	.46
Exons	1270..1393, 2170..2198, 2409..2673, 4605..4709		

Seq. No.	17493	Seq. ID	OJ991026_13.0118.C14
Gene No.	36759	Strand	+
Start	1	End	2027
Name	OJ991026_13.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	2027
GI	3738302	Score	529
Exons	1..44, 1126..1244, 1553..2027		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	17493	Seq. ID	OJ991026_13.0118.C14
Gene No.	36759	Strand	+
Start	1	End	2027
Name	OJ991026_13.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	1127	End	1999
GI	none	Score	105
Exons	1127..1237, 1130..1237, 1134..1244, 1135..1245, 1528..1704, 1547..1708, 1551..1706, 1702..1818, 1706..1819, 1760..1819, 1799..1909, 1816..1923, 1823..1933, 1824..1934, 1883..1999, 1911..1997, 1912..1998		

Seq. No.	17493	Seq. ID	OJ991026_13.0118.C14
Gene No.	36759	Strand	+
Start	1	End	2027
Name	OJ991026_13.0118.C14.o1.tc	Method	TBLASTX:Cress
Start	1168	End	1999
GI	none	Score	61
Exons	1168..1245, 1551..1604, 1736..1819, 1760..1816, 1799..1864, 1875..1997, 1916..1999		

Seq. No.	17493	Seq. ID	OJ991026_13.0118.C14
Gene No.	36759	Strand	+
Start	1	End	2027
Name	OJ991026_13.0118.C14.o1.ts	Method	TBLASTX:Soybean
Start	1547	End	1999
GI	none	Score	194
Exons	1547..1705, 1551..1706, 1658..1819, 1723..1818, 1760..1819, 1770..1820, 1822..1926, 1823..1909, 1909..1992, 1910..1999, 1911..1997		

Seq. No.	17494	Seq. ID	OJ991026_13.0118.C15
Gene No.	36760	Strand	-

Start	422	End	674
Name	OJ991026_13.0118.C15.o1.gp	Method	AAT/GAP
Start	422	End	674
GI	3106573	Score	307
Exons	422..674		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	17495	Seq. ID	OJ991026_13.0118.C16
Gene No.	36761	Strand	-
Start	459	End	2991
Name	OJ991026_13.0118.C16.o1.tm	Method	TBLASTX:Maize
Start	425	End	1455
GI	none	Score	133
Exons	425..643, 454..660, 454..645, 456..671, 942..1115, 949..1116, 953..1117, 953..1117, 1026..1118, 1191..1292, 1214..1291, 1375..1455, 1386..1454		

Seq. No.	17495	Seq. ID	OJ991026_13.0118.C16
Gene No.	36761	Strand	-
Start	459	End	2991
Name	OJ991026_13.0118.C16.o1.tc	Method	TBLASTX:Cress
Start	454	End	1747
GI	none	Score	168
Exons	454..645, 454..621, 456..671, 937..1110, 938..1021, 1024..1113, 1214..1297, 1215..1298, 1380..1445, 1380..1454, 1691..1747		

Seq. No.	17495	Seq. ID	OJ991026_13.0118.C16
Gene No.	36761	Strand	-
Start	459	End	2991
Name	OJ991026_13.0118.C16.o1.gs	Method	GENSCAN
Start	459	End	2675
GI	none	Score	.67
Exons	459..653, 952..1113, 1217..1346, 2430..2552, 2587..2675		

Seq. No.	17495	Seq. ID	OJ991026_13.0118.C16
Gene No.	36761	Strand	-
Start	459	End	2991
Name	OJ991026_13.0118.C16.o1.ts	Method	TBLASTX:Soybean
Start	941	End	1285
GI	none	Score	99
Exons	941..1039, 949..1044, 1036..1113, 1214..1285		

Seq. No.	17495	Seq. ID	OJ991026_13.0118.C16
Gene No.	36761	Strand	-
Start	459	End	2991
Name	OJ991026_13.0118.C16.o1.gp	Method	AAT/GAP
Start	1423	End	2991
GI	uC-osrocyp008d09b1	Score	444
Exons	1423..1451, 1546..1593, 1685..1750, 2040..2119, 2945..2991		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 7.0e-17 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.gs	Method	GENSCAN

Start	1810	End	6987
GI	none	Score	.48
Exons	1810..1878, 2321..2359, 2463..2501, 3005..3076, 3217..3299, 3570..3613, 3662..3780, 3863..3895, 3984..4219, 4344..4442, 5987..6099, 6723..6987		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.np	Method	AAT/NAP
Start	2211	End	4293
GI	4105798	Score	479
Exons	2211..2356, 2759..2873, 3005..3096, 3217..3299, 3425..3465, 3570..3613, 3703..3780, 3863..3895, 3984..4043, 4132..4293		
GI Descrip.	(AF049930) PGP237-11 [Petunia x hybrida]		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	2240	End	4185
GI	none	Score	83
Exons	2240..2356, 2241..2354, 2778..2876, 2801..2902, 2984..3097, 2986..3099, 3217..3300, 3218..3313, 3423..3467, 3424..3468, 3569..3613, 3701..3781, 3727..3786, 3857..3898, 3861..3896, 4135..4185		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	2294	End	3596
GI	none	Score	73
Exons	2294..2362, 2295..2360, 2306..2362, 2786..2902, 2787..2891, 2986..3099, 3005..3097, 3217..3300, 3218..3313, 3218..3301, 3423..3467, 3424..3468, 3569..3595, 3570..3596		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	2786	End	4185
GI	none	Score	85
Exons	2786..2875, 2793..2876, 2801..2896, 3013..3099, 3017..3097, 3217..3300, 3218..3313, 3423..3467, 3424..3468, 3569..3613, 3571..3612, 3701..3778, 3724..3786, 3857..3895, 3864..3896, 3945..4022, 3982..4044, 3983..4072, 4132..4185, 4133..4183		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	3004	End	4185
GI	none	Score	86
Exons	3004..3099, 3005..3097, 3217..3300, 3218..3313, 3423..3467, 3424..3468, 3569..3610, 3704..3772, 3727..3786, 3857..3898, 3864..3896, 4132..4185, 4139..4183		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o1.gp	Method	AAT/GAP
Start	6574	End	7838
GI	45434_1.R1084	Score	1065
Exons	6574..6987, 7688..7838		
GI Descrip.	'2618698 6.0e-19 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o2.tm	Method	TBLASTX:Maize
Start	6904	End	7838
GI	none	Score	135
Exons	6904..6990, 6905..6988, 7676..7759, 7677..7760, 7750..7836, 7753..7836, 7755..7838		

Seq. No.	17496	Seq. ID	OJ991026_13.0118.C17
Gene No.	36762	Strand	-
Start	1810	End	7838
Name	OJ991026_13.0118.C17.o2.np	Method	AAT/NAP
Start	6913	End	7838
GI	6735314	Score	181
Exons	6913..6987, 7688..7838		
GI Descrip.	(AL137080) putative protein [Arabidopsis thaliana]		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36763	Strand	-
Start	2879	End	3868
Name	OJ991026_13.0118.C19.o1.gs	Method	GENSCAN
Start	2879	End	3868
GI	none	Score	.96
Exons	2879..2956, 3788..3868		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o2.tw	Method	TBLASTX:Wheat
Start	2103	End	2326
GI	none	Score	59
Exons	2103..2153, 2108..2152, 2110..2325, 2147..2326		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o3.tm	Method	TBLASTX:Maize
Start	2570	End	2948
GI	none	Score	48
Exons	2570..2620, 2618..2878, 2871..2948		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o2.gs	Method	GENSCAN

Start	5065	End	7384
GI	none	Score	.81
Exons	5065..5658, 5751..6983, 7083..7149, 7293..7384		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o1.np	Method	AAT/NAP
Start	5068	End	7384
GI	4587577	Score	1580
Exons	5068..5444, 5484..5658, 5733..6500, 6534..6983, 7083..7149, 7293..7384		
GI Descrip.	(AC006550) F10O3.17 [Arabidopsis thaliana]		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	5224	End	5921
GI	none	Score	97
Exons	5224..5343, 5491..5661, 5510..5641, 5712..5921, 5731..5826		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o1.ts	Method	TBLASTX:Soybean
Start	5491	End	6201
GI	none	Score	93
Exons	5491..5661, 5510..5644, 5709..5930, 6090..6197, 6091..6201		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o2.tc	Method	TBLASTX:Cress
Start	5491	End	5891
GI	none	Score	148
Exons	5491..5655, 5733..5891		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o2.ts	Method	TBLASTX:Soybean
Start	6339	End	6761
GI	none	Score	127
Exons	6339..6485, 6361..6507, 6565..6720, 6579..6761		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o1.tc	Method	TBLASTX:Cress
Start	6571	End	7151
GI	none	Score	91
Exons	6571..6699, 6579..6911, 6757..6816, 7086..7151		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384

Name	OJ991026_13.0118.C19.o2.tm	Method	TBLASTX:Maize
Start	6609	End	7016
GI	none	Score	61
Exons	6609..7016, 6649..6807		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o1.tw	Method	TBLASTX:Wheat
Start	6630	End	6950
GI	none	Score	209
Exons	6630..6950		

Seq. No.	17497	Seq. ID	OJ991026_13.0118.C19
Gene No.	36764	Strand	-
Start	5065	End	7384
Name	OJ991026_13.0118.C19.o3.ts	Method	TBLASTX:Soybean
Start	6762	End	6974
GI	none	Score	210
Exons	6762..6974		

Seq. No.	17498	Seq. ID	OJ991026_13.0118.C20
Gene No.	36765	Strand	-
Start	899	End	1896
Name	OJ991026_13.0118.C20.o1.gs	Method	GENSCAN
Start	899	End	1896
GI	none	Score	.65
Exons	899..993, 1722..1896		

Seq. No.	17499	Seq. ID	OJ991026_13.0118.C21
Gene No.	36766	Strand	-
Start	910	End	1336
Name	OJ991026_13.0118.C21.o1.gs	Method	GENSCAN
Start	910	End	1336
GI	none	Score	.51
Exons	910..1336		

Seq. No.	17500	Seq. ID	OJ991026_13.0118.C22
Gene No.	36767	Strand	+
Start	492	End	2051
Name	OJ991026_13.0118.C22.o1.gs	Method	GENSCAN
Start	492	End	2051
GI	none	Score	.92
Exons	492..542, 1088..1154, 1226..1302, 1920..2051		

Seq. No.	17500	Seq. ID	OJ991026_13.0118.C22
Gene No.	36767	Strand	+
Start	492	End	2051
Name	OJ991026_13.0118.C22.o1.np	Method	AAT/NAP
Start	492	End	2033
GI	6752919	Score	203
Exons	492..542, 617..690, 1096..1154, 1226..1302, 1920..2033		
GI Descrip.	(AF225708) CRS2 [Zea mays]		

Seq. No.	17501	Seq. ID	OJ991026_13.0118.C23
Gene No.	36768	Strand	-
Start	616	End	722

Name	OJ991026_13.0118.C23.o1.gs	Method	GENSCAN
Start	616	End	722
GI	none	Score	.46
Exons	616..722		

Seq. No.	17502	Seq. ID	OJ991026_13.0118.C25
Gene No.	36769	Strand	-
Start	1	End	1686
Name	OJ991026_13.0118.C25.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	LIB3475-011-P1-K1-C3	Score	524
Exons	1..299		
GI Descrip.	'2618698 1.0e-50 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17502	Seq. ID	OJ991026_13.0118.C25
Gene No.	36769	Strand	-
Start	1	End	1686
Name	OJ991026_13.0118.C25.o1.np	Method	AAT/NAP
Start	1	End	1686
GI	2618698	Score	769
Exons	1..531, 1206..1325, 1420..1473, 1654..1686		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	17502	Seq. ID	OJ991026_13.0118.C25
Gene No.	36769	Strand	-
Start	1	End	1686
Name	OJ991026_13.0118.C25.o1.tm	Method	TBLASTX:Maize
Start	14	End	1474
GI	none	Score	104
Exons	14..85, 15..86, 88..531, 89..532, 89..532, 600..680, 607..696, 608..697, 612..698, 1164..1283, 1197..1292, 1416..1472, 1418..1474, 1418..1471, 1419..1472		

Seq. No.	17502	Seq. ID	OJ991026_13.0118.C25
Gene No.	36769	Strand	-
Start	1	End	1686
Name	OJ991026_13.0118.C25.o1.gs	Method	GENSCAN
Start	67	End	1473
GI	none	Score	.91
Exons	67..531, 610..696, 1206..1289, 1420..1473		

Seq. No.	17502	Seq. ID	OJ991026_13.0118.C25
Gene No.	36769	Strand	-
Start	1	End	1686
Name	OJ991026_13.0118.C25.o2.gp	Method	AAT/GAP
Start	409	End	688
GI	uC-osflcyp106e03b1	Score	376
Exons	409..531, 610..688		
GI Descrip.	'2618698 2.0e-09 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.np	Method	AAT/NAP
Start	1	End	4381

GI	2618698	Score	592
Exons	1..164, 413..682, 2632..2721, 2810..2869, 3863..3929, 4071..4168, 4257..4381		
GI Descrip.	(AC002510) unknown protein [Arabidopsis thaliana]		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o3.tm	Method	TBLASTX:Maize
Start	602	End	4372
GI	none	Score	125
Exons	602..712, 603..707, 2607..2723, 2628..2723, 2632..2724, 2632..2724, 2804..2869, 2808..2936, 3839..3931, 3840..3932, 4068..4190, 4088..4174, 4293..4346, 4295..4372		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.gp	Method	AAT/GAP
Start	1057	End	2598
GI	LIB3477-003-P1-K1-E9	Score	139
Exons	1057..1100, 2534..2598		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.ts	Method	TBLASTX:Soybean
Start	2638	End	4366
GI	none	Score	58
Exons	2638..2724, 2639..2725, 2640..2720, 2644..2724, 2804..2875, 2804..2869, 2808..2882, 2809..2871, 3836..3940, 3840..3941, 4071..4175, 4088..4189, 4301..4366, 4305..4337		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.gp	Method	AAT/GAP
Start	2812	End	4559
GI	uC-osflcyp024b01b1	Score	910
Exons	2812..2869, 3863..3929, 4071..4162, 4280..4559		
GI Descrip.	'2618698 1.0e-39 (AC002510) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.gs	Method	GENSCAN
Start	3830	End	10601
GI	none	Score	.9
Exons	3830..3929, 3988..4070, 4112..4162, 4280..4421, 6465..6739, 7028..7142, 8056..8156, 8811..9038, 9791..10027, 10121..10405, 10487..10601		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26

Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.tm	Method	TBLASTX:Maize
Start	6466	End	10313
GI	none	Score	94
Exons	6466..6534, 6468..6548, 6468..6539, 6518..6721, 6534..6659, 6657..6737, 6662..6745, 7028..7135, 8054..8155, 8055..8156, 8056..8163, 8811..8843, 8812..8844, 8827..9039, 8844..9041, 8844..9038, 8846..9043, 8866..9039, 8867..9040, 9707..10030, 9708..10028, 9880..10029, 10118..10312, 10119..10313		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.np	Method	AAT/NAP
Start	6467	End	10655
GI	3776559	Score	1583
Exons	6467..6739, 7028..7142, 8056..8156, 8811..9038, 9710..10027, 10121..10405, 10487..10655		
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb|AC003970. ESTs gb|Z35332 and gb|F19907 come from this gene. [Arabidopsis thaliana]		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o3.gp	Method	AAT/GAP
Start	8046	End	8976
GI	LIB3477-005-P1-K1-G8	Score	509
Exons	8046..8156, 8811..8976		
GI Descrip.	'3776559 2.0e-31 (AC005388) Strong similarity to gene F14J9.26 gi_3482933 cdc2 protein kinase homolog from A. thaliana BAC gb_AC003970. ESTs gb_Z35332 and gb_F19907 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.ts	Method	TBLASTX:Soybean
Start	8058	End	10415
GI	none	Score	80
Exons	8058..8159, 8059..8163, 8791..9039, 8811..9038, 9707..10039, 9708..10037, 10118..10414, 10119..10415		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.tw	Method	TBLASTX:Wheat
Start	8079	End	9775
GI	none	Score	95
Exons	8079..8159, 8079..8156, 8080..8163, 8811..9038, 8812..9039, 8866..9039, 9707..9775, 9708..9773, 9710..9775		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655

Name	OJ991026_13.0118.C26.o2.tc	Method	TBLASTX:Cress
Start	8811	End	9039
GI	none	Score	164
Exons	8811..9038, 8812..9039		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.tc	Method	TBLASTX:Cress
Start	9737	End	10357
GI	none	Score	285
Exons	9737..10036, 9738..10037, 10118..10357, 10119..10253		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o4.gp	Method	AAT/GAP
Start	9769	End	10362
GI	uC-osflcyp155g01b1	Score	935
Exons	9769..10027, 10121..10362		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o1.tw	Method	TBLASTX:Wheat
Start	9776	End	10273
GI	none	Score	72
Exons	9776..10036, 9777..9857, 9885..10028, 10118..10273, 10119..10253		

Seq. No.	17503	Seq. ID	OJ991026_13.0118.C26
Gene No.	36770	Strand	-
Start	1	End	10655
Name	OJ991026_13.0118.C26.o2.tm	Method	TBLASTX:Maize
Start	10314	End	10592
GI	none	Score	120
Exons	10314..10388, 10316..10408, 10316..10414, 10484..10582, 10488..10592		

Seq. No.	17504	Seq. ID	OJ991026_13.0118.C27
Gene No.	36771	Strand	+
Start	19	End	207
Name	OJ991026_13.0118.C27.o1.gs	Method	GENSCAN
Start	19	End	207
GI	none	Score	.9
Exons	19..207		

Seq. No.	17504	Seq. ID	OJ991026_13.0118.C27
Gene No.	36772	Strand	-
Start	1167	End	2591
Name	OJ991026_13.0118.C27.o2.gs	Method	GENSCAN
Start	1167	End	2591
GI	none	Score	.5
Exons	1167..1331, 1580..1839, 2467..2591		

Seq. No.	17505	Seq. ID	OJ991026_13.0118.C28

Gene No.	36773	Strand	+
Start	933	End	3376
Name	OJ991026_13.0118.C28.o1.gs	Method	GENSCAN
Start	933	End	3376
GI	none	Score	.54
Exons	933..1043, 3242..3376		

Seq. No.	17505	Seq. ID	OJ991026_13.0118.C28
Gene No.	36773	Strand	+
Start	933	End	3376
Name	OJ991026_13.0118.C28.o1.gp	Method	AAT/GAP
Start	3107	End	3163
GI	2312838	Score	62
Exons	3107..3163		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	17505	Seq. ID	OJ991026_13.0118.C28
Gene No.	36774	Strand	+
Start	3913	End	3995
Name	OJ991026_13.0118.C28.o2.gp	Method	AAT/GAP
Start	3913	End	3995
GI	4989_1.R1084	Score	112
Exons	3913..3995		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	17506	Seq. ID	OJ991026_13.0118.C30
Gene No.	36775	Strand	+
Start	267	End	339
Name	OJ991026_13.0118.C30.o1.gs	Method	GENSCAN
Start	267	End	339
GI	none	Score	.43
Exons	267..339		

Seq. No.	17507	Seq. ID	OJ991026_13.0118.C31
Gene No.	36776	Strand	-
Start	819	End	918
Name	OJ991026_13.0118.C31.o1.gs	Method	GENSCAN
Start	819	End	918
GI	none	Score	.81
Exons	819..845, 889..918		

Seq. No.	17508	Seq. ID	OJ991026_13.0118.C32
Gene No.	36777	Strand	-
Start	1	End	973
Name	OJ991026_13.0118.C32.o1.np	Method	AAT/NAP
Start	1	End	973
GI	3287832	Score	284
Exons	1..402, 593..973		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE (D-CADINENE SYNTHASE) gi|1843647 (U88318) (+)-delta-cadinene synthase [Gossypium hirsutum]		

Seq. No.	17508	Seq. ID	OJ991026_13.0118.C32
Gene No.	36777	Strand	-
Start	1	End	973
Name	OJ991026_13.0118.C32.o1.gs	Method	GENSCAN

Start	14	End	776
GI	none	Score	.97
Exons	14..402, 593..776		

Seq. No.	17508	Seq. ID	OJ991026_13.0118.C32
Gene No.	36777	Strand	-
Start	1	End	973
Name	OJ991026_13.0118.C32.o1.tm	Method	TBLASTX:Maize
Start	68	End	376
GI	none	Score	38
Exons	68..106, 122..211, 155..208, 239..376, 258..347		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36778	Strand	+
Start	15150	End	15584
Name	OJ991206_18.0131.C4.o2.gp	Method	AAT/GAP
Start	15150	End	15584
GI	none	Score	851
Exons	15150..15584		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36779	Strand	+
Start	21754	End	24437
Name	OJ991206_18.0131.C4.o5.gs	Method	GENSCAN
Start	21754	End	24437
GI	none	Score	.48
Exons	21754..21821, 22322..22434, 22705..22752, 23310..23347, 23481..23529, 24295..24437		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36780	Strand	+
Start	27260	End	28620
Name	OJ991206_18.0131.C4.o4.gp	Method	AAT/GAP
Start	27042	End	27610
GI	8308_1.R1084	Score	861
Exons	27042..27425, 27526..27610		
GI Descrip.	'2459430 1.0e-11 (AC002332) putative CUC2 protein [Arabidopsis thaliana]'		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36780	Strand	+
Start	27260	End	28620
Name	OJ991206_18.0131.C4.o5.np	Method	AAT/NAP
Start	27242	End	28441
GI	1418990	Score	253
Exons	27242..27425, 27526..27803, 28363..28441		
GI Descrip.	(Z75524) unknown [Lycopersicon esculentum]		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36780	Strand	+
Start	27260	End	28620
Name	OJ991206_18.0131.C4.o7.gs	Method	GENSCAN
Start	27260	End	28620
GI	none	Score	.98
Exons	27260..27425, 27526..27845, 28363..28620		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4

Gene No.	36781	Strand	+
Start	31047	End	36944
Name	OJ991206_18.0131.C4.o5.gp	Method	AAT/GAP
Start	30685	End	33291
GI	632_1.R1084	Score	958
Exons	30685..30896, 31047..31133, 32337..32417, 32489..32515, 32615..32677, 32794..32881, 33265..33291		
GI Descrip.	'3851003/gb|AAC72194| 2.0e-38 (AF069910) pyruvate dehydrogenase E1 beta subunit isoform 3 [Zea mays]'		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36781	Strand	+
Start	31047	End	36944
Name	OJ991206_18.0131.C4.o6.np	Method	AAT/NAP
Start	30858	End	36630
GI	3851001	Score	1211
Exons	30858..30896, 31047..31133, 32337..32417, 32489..32515, 32615..32677, 32794..32880, 33326..33456, 33868..34001, 34078..34150, 34348..34413, 34819..34857, 34968..35092, 35172..35286, 36565..36630		
GI Descrip.	(AF069909) pyruvate dehydrogenase E1 beta subunit isoform 2 [Zea mays]		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36781	Strand	+
Start	31047	End	36944
Name	OJ991206_18.0131.C4.o8.gs	Method	GENSCAN
Start	31047	End	36633
GI	none	Score	.91
Exons	31047..31133, 31558..31716, 32337..32417, 32489..32515, 32615..32677, 32794..32880, 33407..33456, 34078..34150, 34348..34413, 34968..35092, 35172..35286, 36565..36633		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36781	Strand	+
Start	31047	End	36944
Name	OJ991206_18.0131.C4.o6.gp	Method	AAT/GAP
Start	33923	End	36944
GI	21511_1.R1084	Score	1570
Exons	33923..34001, 34078..34150, 34348..34413, 34819..34857, 34968..35092, 35172..35286, 36565..36944		
GI Descrip.	'2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36782	Strand	+
Start	38632	End	46207
Name	OJ991206_18.0131.C4.o7.gp	Method	AAT/GAP
Start	38632	End	40805
GI	426293	Score	633
Exons	38632..38759, 39771..39843, 40277..40350, 40622..40683, 40766..40805		
GI Descrip.	2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36782	Strand	+

Start	38632	End	46207
Name	OJ991206_18.0131.C4.o7.np	Method	AAT/NAP
Start	38634	End	43631
GI	2459431	Score	408
Exons	38634..38759, 39771..39843, 40277..40350, 40622..40683, 41906..42189, 42627..43031, 43065..43364, 43401..43631		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36782	Strand	+
Start	38632	End	46207
Name	OJ991206_18.0131.C4.o10.gs	Method	GENSCAN
Start	39783	End	46207
GI	none	Score	.58
Exons	39783..39843, 40622..40683, 40766..40834, 41486..41514, 41592..41799, 41906..42139, 42630..42873, 44731..44799, 45915..46207		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36782	Strand	+
Start	38632	End	46207
Name	OJ991206_18.0131.C4.o8.gp	Method	AAT/GAP
Start	43369	End	44304
GI	38680_1.R1084	Score	847
Exons	43369..43638, 44113..44304		
GI Descrip.	'2459431 3.0e-19 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36783	Strand	-
Start	2955	End	13984
Name	OJ991206_18.0131.C4.o2.gs	Method	GENSCAN
Start	2955	End	13984
GI	none	Score	.46
Exons	2955..3060, 3185..3415, 4153..4288, 4377..4491, 4658..5352, 5491..5567, 6217..6373, 6647..6712, 6950..7004, 7535..7603, 8909..9064, 9540..9594, 10129..10259, 10408..10661, 11242..11553, 11886..12115, 12581..12730, 13779..13984		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36783	Strand	-
Start	2955	End	13984
Name	OJ991206_18.0131.C4.o1.np	Method	AAT/NAP
Start	4349	End	7322
GI	3193294	Score	168
Exons	4349..4516, 4679..5312, 7270..7322		
GI Descrip.	(AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36783	Strand	-
Start	2955	End	13984
Name	OJ991206_18.0131.C4.o2.np	Method	AAT/NAP
Start	6543	End	10834
GI	2088650	Score	725
Exons	6543..6712, 6950..7004, 7535..7603, 8226..8329, 8416..8488, 8909..9007, 9531..9594, 10129..10259, 10408..10491,		

	10593..10661, 10754..10834		
GI Descrip.	(AF002109) putative peroxisomal membrane carrier protein [Arabidopsis thaliana]		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36783	Strand	-
Start	2955	End	13984
Name	OJ991206_18.0131.C4.o1.gp	Method	AAT/GAP
Start	8235	End	10843
GI	5806_1.R1084	Score	1308
Exons	8235..8333, 8420..8488, 8909..9064, 9540..9594, 10129..10259, 10408..10482, 10566..10661, 10754..10843		
GI Descrip.	'2088650 3.0e-34 (AF002109) peroxisomal ATP/ADP carrier protein isolog [Arabidopsis thaliana]'		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36784	Strand	-
Start	15361	End	18183
Name	OJ991206_18.0131.C4.o3.gs	Method	GENSCAN
Start	15361	End	18183
GI	none	Score	.88
Exons	15361..16016, 16800..16865, 16961..17058, 17813..18183		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36784	Strand	-
Start	15361	End	18183
Name	OJ991206_18.0131.C4.o3.gp	Method	AAT/GAP
Start	15715	End	17047
GI	7664_1.R1084	Score	831
Exons	15715..16016, 16800..16865, 16961..17047		
GI Descrip.	'6014904/sp|Q38732|DAG_ANTMA 5.0e-13 DAG PROTEIN, CHLOROPLAST PRECURSOR >gi_1200205_emb_CAA65064_ (X95753) DAG [Antirrhinum majus]'		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36784	Strand	-
Start	15361	End	18183
Name	OJ991206_18.0131.C4.o3.np	Method	AAT/NAP
Start	15877	End	18089
GI	6648175	Score	262
Exons	15877..16016, 16800..16865, 16961..17058, 17813..18089		
GI Descrip.	(AC010926) DAG-like protein [Arabidopsis thaliana]		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36785	Strand	-
Start	18643	End	18899
Name	OJ991206_18.0131.C4.o4.gs	Method	GENSCAN
Start	18643	End	18899
GI	none	Score	.79
Exons	18643..18842, 18872..18899		
Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o11.tm	Method	TBLASTX:Maize
Start	4121	End	4825
GI	none	Score	91

Exons 4121..4312, 4334..4507, 4352..4507, 4673..4726, 4745..4825

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o7.tm	Method	TBLASTX:Maize
Start	4919	End	23229
GI	none	Score	141
Exons	4919..5002, 5009..5320, 5022..5324, 23134..23229		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o1.tw	Method	TBLASTX:Wheat
Start	5138	End	23484
GI	none	Score	65
Exons	5138..5266, 22933..23031, 23122..23484, 23125..23328, 23135..23389		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o1.ts	Method	TBLASTX:Soybean
Start	5165	End	23634
GI	none	Score	74
Exons	5165..5251, 23107..23271, 23135..23272, 23281..23634, 23282..23515		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o8.tm	Method	TBLASTX:Maize
Start	6510	End	6729
GI	none	Score	173
Exons	6510..6725, 6511..6729		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o5.ts	Method	TBLASTX:Soybean
Start	6540	End	6714
GI	none	Score	130
Exons	6540..6713, 6541..6714		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o4.tc	Method	TBLASTX:Cress
Start	6552	End	8488
GI	none	Score	93
Exons	6552..6713, 6585..6704, 6607..6714, 7526..7606, 7539..7601, 8259..8333, 8295..8333, 8414..8488, 8415..8486		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o9.tm	Method	TBLASTX:Maize

Start	8217	End	10474
GI	none	Score	141
Exons	8217..8333, 8224..8334, 8225..8335, 8417..8488, 8418..8483, 8419..8487, 8887..9066, 8909..8998, 8909..9082, 8910..9065, 8911..9066, 9534..9593, 9541..9594, 10108..10260, 10108..10176, 10112..10267, 10128..10259, 10408..10473, 10409..10474		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o12.tm	Method	TBLASTX:Maize
Start	15361	End	15966
GI	none	Score	38
Exons	15361..15429, 15415..15453, 15429..15536, 15477..15503, 15506..15523, 15530..15598, 15543..15644, 15548..15640, 15549..15644, 15583..15684, 15590..15676, 15691..15729, 15697..15744, 15799..15966, 15806..15964, 15807..15965		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o4.ts	Method	TBLASTX:Soybean
Start	15715	End	18021
GI	none	Score	38
Exons	15715..15768, 15829..16008, 15854..16018, 15864..16025, 15956..16018, 16795..16878, 16799..16879, 16950..17090, 16987..17061, 17813..17869, 17815..17868, 17902..17958, 17902..18021		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o2.tw	Method	TBLASTX:Wheat
Start	15845	End	17916
GI	none	Score	184
Exons	15845..16018, 15846..16022, 15856..16017, 16794..16868, 16795..16872, 16799..16867, 16960..17052, 16962..17060, 16962..17090, 17813..17869, 17815..17916		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o3.tc	Method	TBLASTX:Cress
Start	15859	End	18021
GI	none	Score	136
Exons	15859..16014, 15955..16017, 15959..16018, 16782..16868, 16795..16872, 16799..16867, 16960..17064, 16962..17090, 16987..17061, 17813..17869, 17815..17868, 17902..17958, 17902..18021, 17936..18004		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o6.tm	Method	TBLASTX:Maize
Start	15967	End	18027
GI	none	Score	72
Exons	15967..16017, 15971..16018, 16738..16872, 16799..16867,		

16956..17060, 16956..17090, 17806..17958, 17813..18007,
17815..18027

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o10.tm	Method	TBLASTX:Maize
Start	22771	End	23007
GI	none	Score	144
Exons	22771..23007, 22772..22993, 22774..22995		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o3.tm	Method	TBLASTX:Maize
Start	23284	End	23793
GI	none	Score	81
Exons	23284..23793, 23374..23766		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o4.tw	Method	TBLASTX:Wheat
Start	23919	End	24270
GI	none	Score	218
Exons	23919..24176, 23959..24270		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o14.tm	Method	TBLASTX:Maize
Start	23980	End	24303
GI	none	Score	158
Exons	23980..24132, 23982..24074, 24130..24171, 24184..24303		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o3.tw	Method	TBLASTX:Wheat
Start	27263	End	27430
GI	none	Score	168
Exons	27263..27430, 27268..27429		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o13.tm	Method	TBLASTX:Maize
Start	27277	End	27662
GI	none	Score	170
Exons	27277..27429, 27278..27430, 27518..27562, 27525..27566, 27620..27658, 27621..27662		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o1.tc	Method	TBLASTX:Cress
Start	32334	End	36609

GI	none	Score	125
Exons	32334..32420, 32334..32417, 32486..32518, 32612..32677, 32614..32676, 32791..32880, 32793..32879, 33862..33993, 33865..34008, 33867..34007, 34079..34153, 34081..34146, 34347..34409, 34348..34413, 34774..34863, 34818..34862, 34966..35091, 34967..35089, 34968..35126, 35175..35282, 35176..35289, 36562..36609		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o3.ts	Method	TBLASTX:Soybean
Start	32334	End	36633
GI	none	Score	129
Exons	32334..32420, 32334..32417, 32486..32518, 32488..32514, 32612..32677, 32614..32676, 32622..32711, 32791..32880, 32793..32879, 33862..34008, 33865..34008, 34079..34153, 34081..34149, 34344..34409, 34348..34413, 34816..34863, 34818..34868, 34967..35089, 34968..35126, 35171..35230, 35172..35234, 35172..35243, 35176..35244, 35232..35288, 35233..35289, 35272..35289, 36561..36632, 36562..36633		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o4.tm	Method	TBLASTX:Maize
Start	32334	End	36654
GI	none	Score	130
Exons	32334..32420, 32334..32417, 32486..32518, 32488..32514, 32612..32677, 32614..32676, 32791..32880, 32793..32879, 33861..33962, 33865..34008, 33865..34008, 33867..34016, 34078..34146, 34079..34153, 34347..34412, 34348..34413, 34774..34863, 34801..34863, 34812..34868, 34814..34876, 34965..35090, 34966..35100, 34967..35092, 34968..35126, 34978..35103, 35172..35288, 35172..35288, 35173..35289, 35186..35320, 36562..36654		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36786	Strand	-
Start	38529	End	39490
Name	OJ991206_18.0131.C4.o9.gs	Method	GENSCAN
Start	38529	End	39490
GI	none	Score	.73
Exons	38529..39027, 39375..39490		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36787	Strand	
Start	40624	End	42130
Name	OJ991206_18.0131.C4.o2.ts	Method	TBLASTX:Soybean
Start	40624	End	42130
GI	none	Score	71
Exons	40624..40689, 40766..40834, 41459..41515, 41485..41514, 41590..41802, 41631..41798, 41894..42046, 41911..41988, 41936..42019, 42068..42130		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36787	Strand	

Start	40624	End	42130
Name	OJ991206_18.0131.C4.o2.tm	Method	TBLASTX:Maize
Start	41473	End	42113
GI	none	Score	64
Exons	41473..41511, 41474..41515, 41484..41513, 41570..41794, 41589..41798, 41590..41820, 41591..41794, 41592..41795, 41596..41811, 41894..42067, 41903..42064, 42063..42113		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36787	Strand	
Start	40624	End	42130
Name	OJ991206_18.0131.C4.o2.tc	Method	TBLASTX:Cress
Start	41650	End	42049
GI	none	Score	176
Exons	41650..41802, 41655..41795, 41894..42049, 41911..41988		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36788	Strand	
Start	42622	End	42967
Name	OJ991206_18.0131.C4.o5.tm	Method	TBLASTX:Maize
Start	42622	End	42967
GI	none	Score	188
Exons	42622..42816, 42627..42857, 42628..42867, 42639..42851, 42849..42962, 42858..42962, 42859..42966, 42871..42966, 42872..42967		

Seq. No.	17509	Seq. ID	OJ991206_18.0131.C4
Gene No.	36789	Strand	
Start	42969	End	43638
Name	OJ991206_18.0131.C4.o1.tm	Method	TBLASTX:Maize
Start	42969	End	43638
GI	none	Score	60
Exons	42969..43019, 42976..43014, 42982..43200, 42987..43148, 43019..43204, 43024..43191, 43202..43405, 43212..43409, 43222..43440, 43245..43406, 43410..43442, 43429..43479, 43436..43495, 43436..43486, 43437..43523, 43440..43523, 43500..43637, 43501..43638, 43501..43638		

Seq. No.	17510	Seq. ID	OJ991206_18.0131.C6
Gene No.	36790	Strand	+
Start	1	End	126
Name	OJ991206_18.0131.C6.o1.np	Method	AAT/NAP
Start	1	End	126
GI	4680186	Score	203
Exons	1..126		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	17510	Seq. ID	OJ991206_18.0131.C6
Gene No.	36791	Strand	-
Start	1	End	59
Name	OJ991206_18.0131.C6.o1.gp	Method	AAT/GAP
Start	1	End	59
GI	uC-osflcyp033a04b1	Score	110
Exons	1..59		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17511	Seq. ID	OJ991206_18.0131.C7
Gene No.	36792	Strand	-
Start	153	End	601
Name	OJ991206_18.0131.C7.o1.gs	Method	GENSCAN
Start	153	End	552
GI	none	Score	.5
Exons	153..552		

Seq. No.	17511	Seq. ID	OJ991206_18.0131.C7
Gene No.	36792	Strand	-
Start	153	End	601
Name	OJ991206_18.0131.C7.o1.np	Method	AAT/NAP
Start	161	End	601
GI	4680179	Score	602
Exons	161..601		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	17511	Seq. ID	OJ991206_18.0131.C7
Gene No.	36792	Strand	-
Start	153	End	601
Name	OJ991206_18.0131.C7.o1.tw	Method	TBLASTX:Wheat
Start	205	End	592
GI	none	Score	184
Exons	205..591, 269..592		

Seq. No.	17511	Seq. ID	OJ991206_18.0131.C7
Gene No.	36792	Strand	-
Start	153	End	601
Name	OJ991206_18.0131.C7.o1.tm	Method	TBLASTX:Maize
Start	301	End	562
GI	none	Score	186
Exons	301..561, 302..562		

Seq. No.	17512	Seq. ID	OJ991206_18.0131.C8
Gene No.	36793	Strand	+
Start	1	End	171
Name	OJ991206_18.0131.C8.o1.gp	Method	AAT/GAP
Start	1	End	171
GI	uC-osf1cyp033a04b1	Score	310
Exons	1..171		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36794	Strand	+
Start	54	End	1119
Name	OJ991206_18.0131.C9.o1.gs	Method	GENSCAN
Start	54	End	1119
GI	none	Score	.76
Exons	54..593, 937..1119		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36795	Strand	+
Start	1688	End	1770
Name	OJ991206_18.0131.C9.o2.gp	Method	AAT/GAP
Start	1688	End	1770
GI	LIB3431-004-P1-K1-G12	Score	81

Exons	1688..1770		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36796	Strand	-
Start	1	End	539
Name	OJ991206_18.0131.C9.o1.np	Method	AAT/NAP
Start	1	End	410
GI	4432839	Score	393
Exons	1..80, 165..410		
GI Descrip.	(AC006283) unknown protein [Arabidopsis thaliana]		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36796	Strand	-
Start	1	End	539
Name	OJ991206_18.0131.C9.o1.tc	Method	TBLASTX:Cress
Start	3	End	411
GI	none	Score	88
Exons	3..77, 4..81, 6..68, 165..410, 271..411, 273..410, 274..408		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36796	Strand	-
Start	1	End	539
Name	OJ991206_18.0131.C9.o1.tm	Method	TBLASTX:Maize
Start	3	End	411
GI	none	Score	103
Exons	3..77, 4..87, 9..71, 165..410, 252..377, 271..411, 273..410, 274..408		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36796	Strand	-
Start	1	End	539
Name	OJ991206_18.0131.C9.o1.ts	Method	TBLASTX:Soybean
Start	6	End	411
GI	none	Score	105
Exons	6..77, 7..87, 165..410, 271..411		

Seq. No.	17513	Seq. ID	OJ991206_18.0131.C9
Gene No.	36796	Strand	-
Start	1	End	539
Name	OJ991206_18.0131.C9.o1.gp	Method	AAT/GAP
Start	214	End	539
GI	76027_1.R1084	Score	612
Exons	214..539		
GI Descrip.	'4432839/gb|AAD20688| 1.0e-17 (AC006283) unknown protein [Arabidopsis thaliana]'		

Seq. No.	17514	Seq. ID	OJ991206_18.0131.C10
Gene No.	36797	Strand	+
Start	2144	End	2253
Name	OJ991206_18.0131.C10.o1.gp	Method	AAT/GAP
Start	2144	End	2253
GI	none	Score	212
Exons	2144..2253		

Seq. No.	17514	Seq. ID	OJ991206_18.0131.C10

Gene No.	36798	Strand	-
Start	1923	End	2163
Name	OJ991206_18.0131.C10.o1.gs	Method	GENSCAN
Start	1923	End	2163
GI	none	Score	.76
Exons	1923..2163		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36799	Strand	+
Start	48	End	3669
Name	OJ991206_18.0131.C11.o1.gs	Method	GENSCAN
Start	48	End	3669
GI	none	Score	.75
Exons	48..115, 879..1074, 1622..1804, 2273..2572, 2762..2995, 3097..3669		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36799	Strand	+
Start	48	End	3669
Name	OJ991206_18.0131.C11.o1.np	Method	AAT/NAP
Start	1582	End	3593
GI	4220527	Score	759
Exons	1582..1808, 2277..2572, 2762..2999, 3197..3593		
GI Descrip.	(AL035356) putative protein [Arabidopsis thaliana]		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36799	Strand	+
Start	48	End	3669
Name	OJ991206_18.0131.C11.o1.gp	Method	AAT/GAP
Start	1618	End	2330
GI	19884_1.R1084	Score	423
Exons	1618..1804, 2273..2330		
GI Descrip.	'4220527/emb|CAA23000| 7.0e-69 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36799	Strand	+
Start	48	End	3669
Name	OJ991206_18.0131.C11.o2.gp	Method	AAT/GAP
Start	2273	End	2798
GI	19884_1.R1084	Score	624
Exons	2273..2572, 2762..2798		
GI Descrip.	'4220527/emb|CAA23000| 7.0e-69 (AL035356) putative protein [Arabidopsis thaliana]'		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36800	Strand	+
Start	7586	End	9560
Name	OJ991206_18.0131.C11.o2.np	Method	AAT/NAP
Start	7586	End	9560
GI	1619602	Score	467
Exons	7586..7659, 8116..8488, 8995..9114, 9216..9297, 9404..9560		
GI Descrip.	(Y08726) MtN3 [Medicago truncatula]		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36801	Strand	-
Start	3342	End	3919

Name	OJ991206_18.0131.C11.o3.gp	Method	AAT/GAP
Start	3342	End	3919
GI	49741_1.R1084	Score	1074
Exons	3342..3919		
GI Descrip.	'6006355/dbj|AP000559.1|AP000559 4.0e-75 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11'		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36802	Strand	-
Start	5821	End	6812
Name	OJ991206_18.0131.C11.o2.gs	Method	GENSCAN
Start	5821	End	6812
GI	none	Score	.53
Exons	5821..5841, 6102..6161, 6735..6812		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o1.tm	Method	TBLASTX:Maize
Start	1619	End	3426
GI	none	Score	269
Exons	1619..1804, 1622..1804, 2260..2568, 2273..2569, 2417..2569, 2761..2991, 2761..2991, 2762..2995, 2762..2995, 3094..3426, 3096..3425		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o1.ts	Method	TBLASTX:Soybean
Start	1622	End	3523
GI	none	Score	201
Exons	1622..1813, 1624..1764, 2293..2391, 2297..2395, 2396..2569, 2398..2577, 2757..2852, 2761..2994, 2762..2995, 2915..2998, 3073..3246, 3078..3236, 3253..3333, 3270..3332, 3470..3523		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o2.tw	Method	TBLASTX:Wheat
Start	2260	End	2586
GI	none	Score	110
Exons	2260..2367, 2273..2368, 2274..2372, 2398..2586, 2399..2566		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o1.tc	Method	TBLASTX:Cress
Start	2318	End	2877
GI	none	Score	111
Exons	2318..2395, 2320..2394, 2395..2571, 2396..2569, 2762..2875, 2764..2877		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o3.tc	Method	TBLASTX:Cress
Start	2878	End	3222

GI	none	Score	147
Exons	2878..2988, 2879..2995, 2909..2995, 3073..3222, 3096..3221		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o1.tw	Method	TBLASTX:Wheat
Start	2941	End	3309
GI	none	Score	80
Exons	2941..2991, 2942..2995, 2942..2998, 3073..3309, 3096..3308		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o4.tc	Method	TBLASTX:Cress
Start	7607	End	9287
GI	none	Score	60
Exons	7607..7660, 9000..9101, 9001..9117, 9204..9287		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o3.gs	Method	GENSCAN
Start	7859	End	9572
GI	none	Score	.67
Exons	7859..8517, 8943..9126, 9225..9572		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o2.tc	Method	TBLASTX:Cress
Start	8113	End	8494
GI	none	Score	239
Exons	8113..8328, 8117..8329, 8417..8494, 8422..8487		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o2.tm	Method	TBLASTX:Maize
Start	8116	End	8488
GI	none	Score	269
Exons	8116..8328, 8117..8326, 8417..8488		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o2.ts	Method	TBLASTX:Soybean
Start	8116	End	9117
GI	none	Score	253
Exons	8116..8268, 8117..8338, 8417..8488, 8994..9116, 8998..9117		

Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o3.tw	Method	TBLASTX:Wheat
Start	8152	End	9098
GI	none	Score	106

Exons	8152..8229, 8155..8268, 8156..8347, 8308..8487, 8408..8488, 8997..9098, 8998..9096		
Seq. No.	17515	Seq. ID	OJ991206_18.0131.C11
Gene No.	36803	Strand	-
Start	7859	End	9572
Name	OJ991206_18.0131.C11.o3.tm	Method	TBLASTX:Maize
Start	8997	End	9296
GI	none	Score	176
Exons	8997..9116, 8998..9117, 9216..9296, 9216..9296		
Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36804	Strand	+
Start	1252	End	1815
Name	OJ991206_18.0131.C12.o1.gs	Method	GENSCAN
Start	1252	End	1815
GI	none	Score	.97
Exons	1252..1815		
Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36805	Strand	+
Start	6571	End	8633
Name	OJ991206_18.0131.C12.o1.np	Method	AAT/NAP
Start	6571	End	8633
GI	6069646	Score	2329
Exons	6571..7371, 7654..8633		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36806	Strand	+
Start	9712	End	11842
Name	OJ991206_18.0131.C12.o2.gp	Method	AAT/GAP
Start	9639	End	10832
GI	596_1.R1084	Score	659
Exons	9639..9714, 9888..9935, 10030..10231, 10783..10832		
GI Descrip.	'548774/sp|P35685|RL7A_ORYSA 1.0e-120 60S RIBOSOMAL PROTEIN L7A >gi_542158_pir__S38360 ribosomal protein L7a - rice >gi_303855_dbj_BAA02156_ (D12631) ribosomal protein L7A [Oryza sativa]'		
Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36806	Strand	+
Start	9712	End	11842
Name	OJ991206_18.0131.C12.o3.gp	Method	AAT/GAP
Start	9655	End	11842
GI	596_2.R1084	Score	1833
Exons	9655..9714, 9888..9935, 10030..10231, 10783..10952, 11066..11194, 11295..11387, 11492..11842		
GI Descrip.	'548774/sp|P35685|RL7A_ORYSA 1.0e-112 60S RIBOSOMAL PROTEIN L7A >gi_542158_pir__S38360 ribosomal protein L7a - rice >gi_303855_dbj_BAA02156_ (D12631) ribosomal protein L7A [Oryza sativa]'		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36806	Strand	+
Start	9712	End	11842
Name	OJ991206_18.0131.C12.o3.gs	Method	GENSCAN
Start	9712	End	11623
GI	none	Score	.91
Exons	9712..9714, 10030..10231, 10783..10952, 11066..11194, 11295..11387, 11492..11623		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36806	Strand	+
Start	9712	End	11842
Name	OJ991206_18.0131.C12.o2.np	Method	AAT/NAP
Start	9885	End	11620
GI	548774	Score	1163
Exons	9885..9935, 10030..10231, 10783..10952, 11066..11194, 11295..11387, 11492..11620		
GI Descrip.	60S RIBOSOMAL PROTEIN L7A gi|542158|pir||S38360 ribosomal protein L7a - rice gi|303855|dbj|BAA02156| (D12631) ribosomal protein L7A [Oryza sativa]		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36807	Strand	+
Start	12645	End	16885
Name	OJ991206_18.0131.C12.o4.gs	Method	GENSCAN
Start	12645	End	16753
GI	none	Score	.76
Exons	12645..12805, 12877..13105, 13423..13729, 14002..14210, 15831..16017, 16095..16202, 16620..16753		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36807	Strand	+
Start	12645	End	16885
Name	OJ991206_18.0131.C12.o4.np	Method	AAT/NAP
Start	15376	End	16750
GI	6466951	Score	698
Exons	15376..15573, 15831..16017, 16095..16202, 16620..16750		
GI Descrip.	(AC009176) putative coated vesicle membrane protein [Arabidopsis thaliana] gi|6648180|gb|AAF21178.1|AC013483_2 (AC013483) putative coated vesicle membrane protein [Arabidopsis thaliana]		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36807	Strand	+
Start	12645	End	16885
Name	OJ991206_18.0131.C12.o5.gp	Method	AAT/GAP
Start	15910	End	16885
GI	4714238	Score	811
Exons	15910..16017, 16095..16202, 16620..16885		

Seq. No.	17516	Seq. ID	OJ991206_18.0131.C12
Gene No.	36808	Strand	-
Start	11747	End	13669
Name	OJ991206_18.0131.C12.o6.tm	Method	TBLASTX:Maize
Start	5936	End	6373
GI	none	Score	84
Exons	5936..6055, 6056..6373		